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THE INDUSTRIOUS HEN IS ISSUED FIRST OF THE MONTH

SEPTEMBER, 1911

THE INDUSTRIOUS HEN



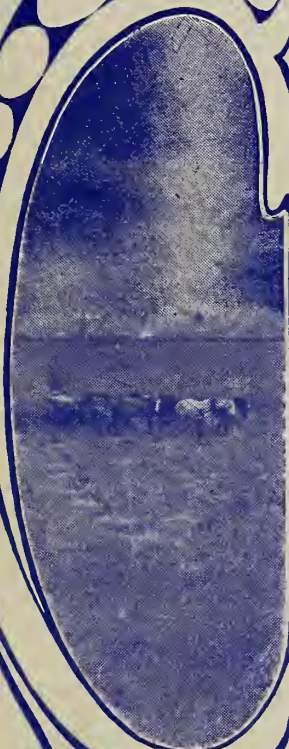
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AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM



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THE INDUSTRIOUS HEN

An Illustrated Monthly for the Commercial and Fancy Poultryman.

Vol. 8

Knoxville, Tenn., September, 1911

(Whole No. 88) No. 4

Diseases of Turkeys and Their Treatment

By J. C. CLIPP, Saltillo, Indiana



THE writer has just received a letter from a lady stating that her young and old fowls alike are suffering with what she believes is Roup. From the symptoms she gives, I am sure Roup is the trouble. She says her fowls are much run down, both in health and quality. As to quality, much low quality is due to the unhealthy condition of the breeding stock, while a portion of it doubtless is due to improper mating. The disease, of course, is due to improper management. 'Tis true, sometime, this disease will creep in unawares from various avenues. If a new fowl is to be introduced

Every phase of poultry troubles should be studied in order to be able to overcome them as much as possible. Mismanagement at this time of year means great losses in the early future. Growing fowls, especially, should receive special attention now, otherwise you will suffer more or less Roup at the first appearance of frost. If you have developed Roup in your flock this early, it will stick with your fowls like "seven year itch," or until your fowls are worthless for any use.

The Walker remedy is the best thing we have ever found for colds and kindred troubles. It is a great blood builder, hence, its use in the poultry yard should not be neglected, as it saves hundreds of fowls every year. The writer has "no axe to grind," no free advertising to impose upon publishers by mentioning this remedy. We only mention it as a benefit to the readers, as we have used it and know its value. It is not common that we even use any patent medicines, but in this instance, we find one worthy of consideration. As this remedy is a proprietary medicine we do not give the address of the firm, but if you will write the editor, he will gladly furnish it to you. The treatment should be given the fowls through the agency of the drinking water daily, year in and year out, as it is not only a great disinfectant, but a great egg producer as well.

You must be careful to keep your poultry quarters in first-class sanitary condition. No remedy known can accomplish any good where the quarters are allowed to become very filthy. Where the youngsters are allowed to sit out on damp ground at night they are almost certain to contract cold and Roup. Poultry must be kept dry if their health is to be maintained. When fowls of any age are allowed to roost out on the cold damp ground late in the season, or to crowd up at night in brood coops, they are just that sure to contract some fatal disease, and Roup is almost the first disease to get in its work. It is quite a loss to have fowls contract Roup this early in the season, as the egg supply is almost certain to be injured. No amount of food can bring eggs in a diseased flock.

If your fowls have contracted the disease by inheritance, then I would dispose of every fowl in some honorable manner, as it will be useless for you to try to accomplish a cure with such a deep-seated condition as that. Of course, you might in time build up your flock by cleansing the blood with some powerful blood tonic, something like the Walker Remedies, but I find it, as well as all other remedies, more of a preventive than a cure-all. Yet it does cure Roup in its first stages. Roup proper is incurable—don't allow anyone to misinform you along this line. Roup is a deadly poison to fowls, and my advice to you is to get free from it through the quickest route, regardless of cost.

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BUFF COCHIN
COCK

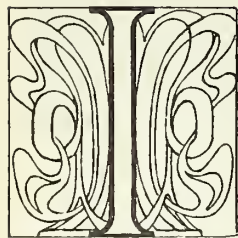
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Uncle Sam's Poultry
Yards, S. Berger,
Proprietor,
Pleasant Hill, Ohio

into your flock, as soon as it has arrived, it should be thoroughly disinfected, as well as isolated from the rest of the flock for several days and particular attention given to any development of any disease that may make its appearance. Very frequently a bird is sent out as sound as a dollar, but while in transit it contracts some contagious disease.

Last winter the writer shipped a pen of choice fowls down to Tennessee that were to be foundation of a choice flock of fowls. The birds were received in fairly good condition, except for colds, which developed later into genuine Roup and the worst form of sorehead. The fowls were in the very pink of condition when crated, and I know the disease was contracted while in transit. Very frequently healthy fowls are exposed to diseased fowls in the express car or freight house; so you can readily see there are many ways of transferring this fatal disease to your fowls unexpectedly. No matter how cautious you may be, some times you may suffer great losses from Roup, but very frequently it is due to improper management.

How to Score White Plymouth Rocks

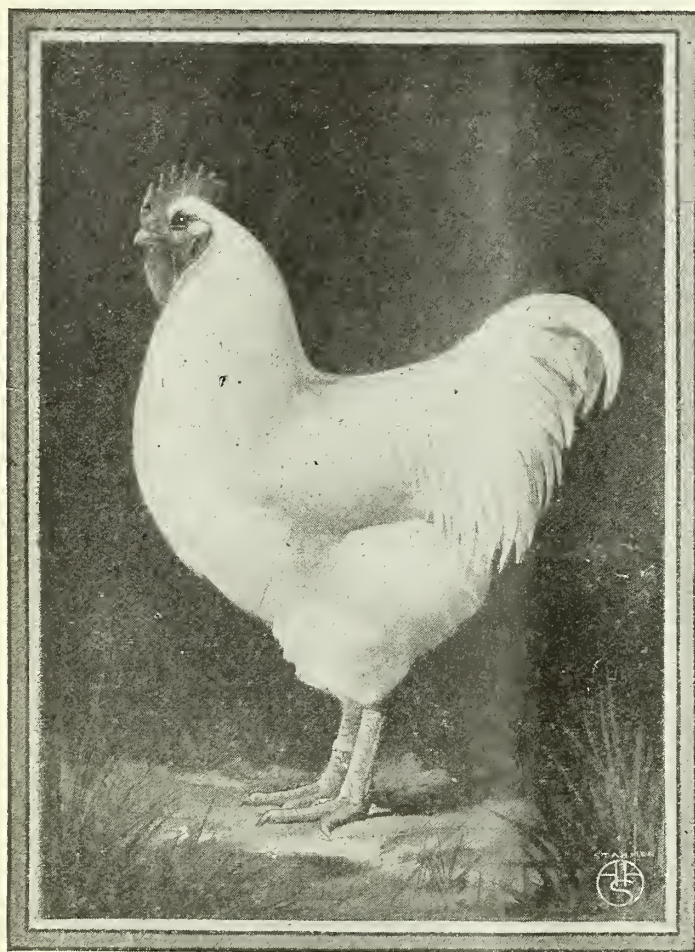
By U. R. FISHEL, Hope, Indiana



IN THIS short article I will endeavor to explain how to score White Plymouth Rocks, using as illustrations half-tones from photographs of White Plymouth Rocks that I know are as near perfection as it is possible to breed them.

I believe this the best way to explain the use of the score card and how to cut for defects, also showing the perfect sections of the birds. All white fowls look alike to most people, and were there but one shade of white to be considered, the scoring of a white fowl would not be so difficult.

Under the new Standard of Perfection a white fowl must be absolutely white in every section of its plumage. It is important that all sections of a white fowl showing creaminess in color should be cut severely. Shape, of course, is the most important matter to consider and keep in mind in



WHITE PLYMOUTH ROCK COCK

Bred to Standard requirements by U. R. Fishel, Hope, Indiana, a leading authority on White Plymouth Rocks

any variety of fowls, and the excellent shape of the U. R. Fishel White Plymouth Rocks is known throughout the world—in fact so close to the standard shape requirements do the U. R. Fishel White Plymouth Rocks conform that they are easily recognized by most every poultry judge in the world.

Take a specimen of excellent shape and poor color, it is a valuable bird; but take a bird of standard color and poor shape and you have almost a worthless specimen as a breeder.

In taking up the scoring of a male specimen, the first point to consider is symmetry or typical carriage. This can be best noted before handling the bird. After you have compared this typical carriage with the standard ideal you will keep in mind what you think he should be cut in this section, holding off the cut until you see how many points out the specimen has in shape cuts. If there are two points out in shape, I would cut the bird one-half point in typical carriage; if three or more points out in shape, would cut the specimen one point on typical carriage.

The next clause is weight. If bird is not up to standard

weight, cut two points per pound for every short pound; if one-half pound under weight, cut one point, etc.

Condition should be well considered, and if a bird is dirty and not in the pink of condition, I would cut one point; if sickly and seemingly worthless as a breeder—for no bird is in good condition that is not a good breeding bird—I would cut the specimen from three to four points, as the case would call for.

Head being the next section, if head is too long and snaky appearing, I would cut one-half point in shape. Head color is generally passed without a cut. Comb, a very important section, should conform with the standard requirements, having five points evenly serrated, the front and rear points being smaller than those in the center of the comb. For every point exceeding five, cut one-half point; for every point minus, cut one-half point. If comb is twisted, cut from one-half to one point, according to the defect. If comb is thin and flimsy, cut from one-half to one point. Wattles and ear-lobes should be as near standard requirements as possible. Shape is not valued very high, being but two points allotted to same. If ear-lobes are injured in any way and not even in length or not of fine texture, cut one-half point. If pale in color, still not permanently white, cut from one-half to one point, as the defect calls for.

Neck, a very important section to consider, if too long and not properly arched, cut one-half point; if any cream appears in plumage, cut one point, that is if the cream is permanent; if new feathers, not matured, cut one-half point.

Back, a very important section, for a Plymouth Rock without a good, broad, rather long back, with that concave sweep to tail, is almost worthless as a fancy bird. If back is narrow and does not have the concave sweep to tail, cut one point; if narrow or pinched, cut one-half point. If back is broad but flat, cut one point. If plumage on back does not show any cream in shafting and is white on surface, let it pass without a color cut except as mentioned in your Standard under heading of cutting for defect. If there is any cream, cut from one-half to one-and-a-half points, as the defect may call for.

Breast should be broad, full and nicely rounded. If breast is flat and not full enough and narrow, cut the section from one to one-and-a-half points according to defect. One point cut on breast shape is severe and a good White Rock should get through with a half-point cut on breast shape. Color cut on breast should be figured according to Standard instructions.

Body and Fluff.—If body of the specimen is too short and not broad enough, I would cut one point; if not well balanced on legs, I would cut one-half point.

Wings should be nicely folded and carried reasonably close to body. If wings are pinched, I would cut one point; if not folded up snug, I would cut one-half point. If wings show any cream in quill, I would cut from one-half to one point, according to amount of cream shown. If any grey appears, cut as per instructions of your Standard.

Tail should be as near standard as possible, for this is one of the finishing points to the specimen and great care should be taken to cut this section properly. If tail is pinched and carried high, I would cut one point; if not well spread but the proper length and carried nicely, I would cut one-half point; if cream appears in shaft of feathers, cut from one-half to one point, as it may require.

Legs and Toes.—If too short, cut from one-half to one point. I make this cut severe so we will keep the Plymouth Rocks well up and get away from the Wyandotte shape. If shanks are a pale yellow, cut one-half point; if dotted with black spots, cut from one-half to one point as the case may require.

By noting the half-tones published herewith, and studying this article and your Standard, you will have no trouble scoring your birds so near that you will have an opinion as to their value. To be sure you cannot do the work as good as Judges Hewes, Lane, Holden, Orr, Shepherd, Marshall, Myers or Pierce, but you can come within a point of it.

Every poultryman who expects to succeed as a breeder of exhibition birds, of any variety, should familiarize himself with the requirements of the American Standard of Perfection, and by close study and application learn to score his birds, or at least acquire a knowledge that will enable him to judge intelligently of their good qualities and their defects.

Why the Egg is Nature's Greatest Food

By O. F. SAMPSON, Youngs, New York



HE process of nutrition in animal, man, and the hen depends upon four essential functions: Feeding, digesting, assimilating and voiding. If one or more of these essentials are faulty or lacking in the work of the hen we will have less or impaired production of eggs and meat, as well as loss of vigor. Not only this, but the *meat* and *eggs* will lack in *nutrition*, or food value. Here is a fact very little considered by poultrymen—especially egg producers, and one I wish to make plain by this article. Few producers realize *what constitutes the food value* of an egg. There is more than size, color, or weight to it. Let us consider the essentials referred to at the head of this article.



WHITE PLYMOUTH ROCK PULLET

First at Illinois State Fair, and possessing all Standard requirements. Bred by U. R. Fishel, Hope, Indiana.

First "Feeding." Every poultryman in a measure understands *feeding*, because our talk, work, and the poultry press have all helped us along this line. Just how much, however, is a question. We have studied the tables giving us the per cent of foods in relative values, probably. For instance, we say wheat is a profitable feed for fowls because it shows the following analysis in the table: 10.5 water, 1.8 ash, 11.9 protein, 71.9 nitrogen, 1.8 crude fiber, 2.1 ether extract. From this we say we have a total of 85.6 per cent digestible food, i. e. 1.8 ash, 11.9 protein, 71.9 nitrogen. *But we don't.* Because it would be absolutely impossible to find one hen in one thousand that could assimilate this per cent if every bushel of wheat she were fed gave this analysis—which they don't.

So we continue our food question to the *Assimilating table*, and we find these facts: That out of our entire 85.6 per cent food stuff in our 60 or 100 pounds of wheat, we have only 72 per cent digestible food to assimilate. So instead of 85.6 pounds in 100 pounds of wheat feed, our bird only assimilated 72 per cent of 85.6 pounds, or about 62 pounds from the 100 pounds, or about 62 per cent.

So our feeding table has taken us through not only the feeding question, but the digesting and assimilating of our feed as well. Our feed of 100 pounds of wheat—a really

average food—has dropped down to 62 per cent by this, instead of the 85.6 per cent first given, as *food value*, or *digestible value*. But we still have one more essential to consider in our fowl, before our food becomes practical, or productive for eggs, etc. This is the most essential in some respects of all—the waste, or voiding of the refuse—or food. I know this *assimilating* and *voiding* of food is new to some poultrymen; who have always somehow believed the bird used all the *digestible* part of the feed, and all the *waste* was the fiber, dirt, etc., in the food fed. This is easily proven a mistake by the fact that *assimilation* or *use* of the food is a separate part of the fowl's being, entirely distinct from digestion. But, again, unless the fowl is perfectly healthy and everything nature demands is hers we will have a *further waste* in food by the fowls *voiding*.

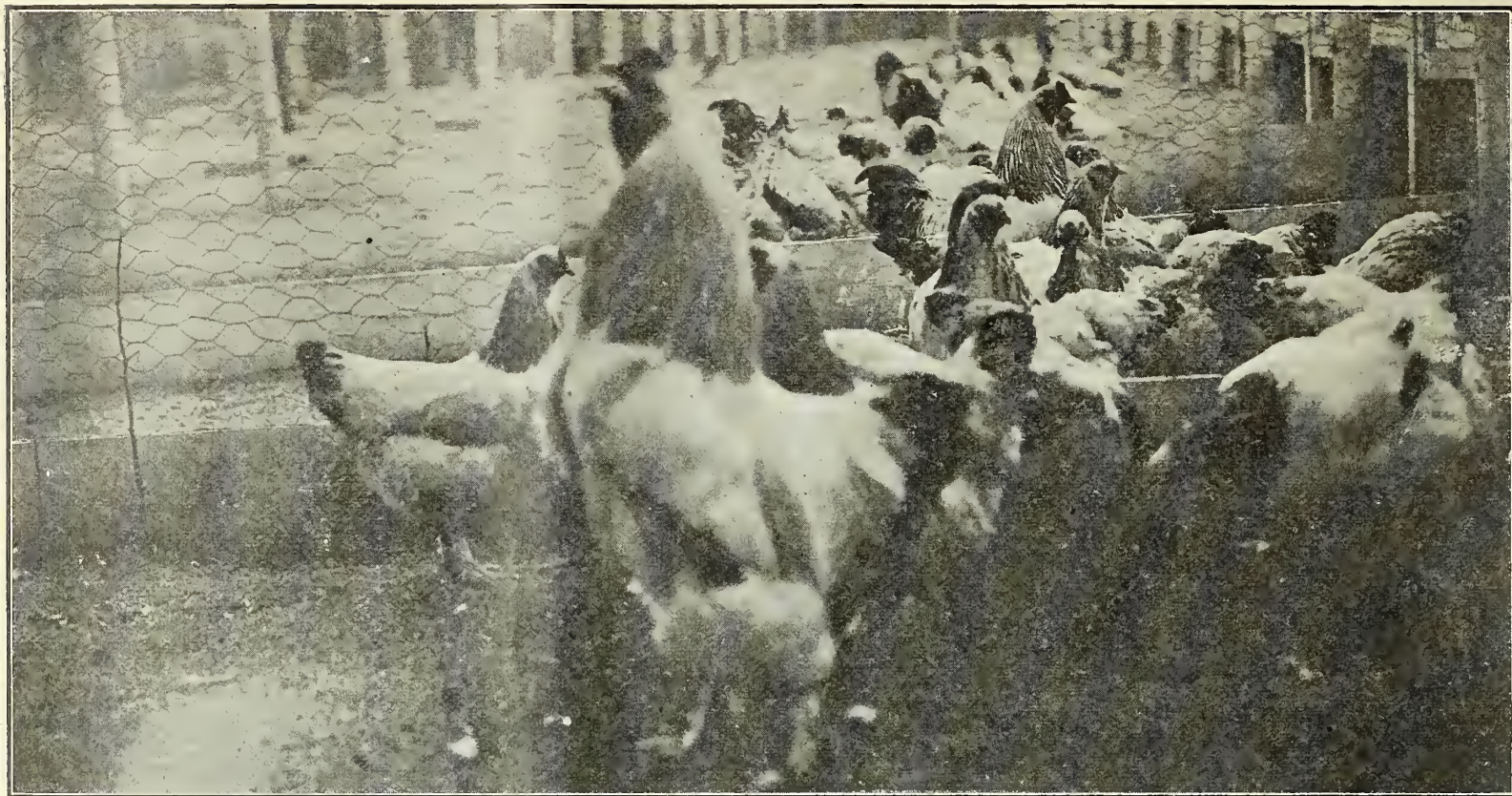
Now *feeding* requires proper masticating, mixing, and preparing the food for the practical use of the bird. Unless this is done we can't have proper digestion, or assimilation. The fact that "digesting" isn't "assimilation" is readily proven by the *digested* but *unassimilated* food we often find in the voidings; especially of protein, our most costly nutriment.

It's a well known fact that one essential element of food is required for proper digestion and assimilation of nutrition—in fowl, animal or man—and that element is *Phosphorus*. You may call it "bone ash," or "tri-calcium phosphate," if you like these better. But how many of our poultrymen have even considered any of these of any importance in feeding? Oh, yes! When you come to think of it, we do see a place in our food table given over to "ash," or "bone ash," or "mineral ash," etc., don't we? And we also see by referring to it that wheat is given a credence of 1.8 per cent bone ash in its food values. Now that's just the phosphorus element in wheat that makes it a good assimilative, digestible, productive food. It's this quality we desire in our foods more than high protein, carbohydrates, fats, etc., we talk of so much.

So I'm going to try it here. As it's really a new subject, I don't know as we will agree upon it. In fact, I don't know I'm right about it, but I do know there's a lot to it and I'm ready to listen to the other fellow tell me what I haven't learned yet. Here's something of value I've found out. Without phosphorus, life is impossible; as it is without protein. Phosphorus is the medium through which our nutrients are assimilated, and is as essential as gastric juices, etc. Now *grains don't produce phosphorus* enough to provide us nutritive value. Wheat furnishes the most of any grain (hence my illustration above), and it contains only a little over one per cent, which is about *half enough* for proper assimilation. Hence, we must get it outside of our grains, or our fowls suffer in assimilation and nutrition.

How, then, can we get it? *Bone ash* is the only way, I know, and as bone ash is calcium phosphate, it equals phosphorus. One per cent calcium phosphate equals about .4 per cent phosphoric acid, or .2 per cent phosphorus. As an example, clover hay in the grass has 5.5 per cent bone ash, or calcium phosphate. Now as one per cent of this equals .2 per cent phosphorus, we find our clover cut in hay equals about 1.01 per cent of phosphorus, which if fed with grains should be none too great in our feeds for eggs. If the clover was cut as "rowen" its phosphatic element would be much better, as it then would have about 1.5 per cent, and this explains why our clovers are so productive of good results *for eggs*, though we have usually laid it to its 10.1 per cent protein value, and 41. per cent nitrogen. These are very good, indeed, but *the ash assimilates both*. We may trace this through all our poultry foods and find it almost universally true; that is bone ash in combination with protein gives good egg results, if properly fed in proportion, and eggs of extremely good food value.

And then we come to the strongest point of all—it enters into the make-up of the egg, and that's why our egg is prescribed by the medical man for the sick, consumptives, children, mothers, and those soon to be mothers. The ordinary egg from the regular poultryman contains about 2 per cent phosphorus—that is five times as much as goat's or rabbit's milk; twenty times more than cow's milk, and fifty times more than the human milk. That's why it's a food by itself, superior to all others. If the hen's feed contains the correct proportion of phosphorus the egg has 4 per cent phosphorus, twice above value. That's why it's more than size, color, weight, or *ordinary in value* when produced by a poultryman who knows these facts.



A few of the many fine exhibition breeders, to be seen in the pens of the River Home Poultry Yards, Perrysburg, Ohio, breeders of prize-winning Light Brahmas and Barred Plymouth Rocks. Office at No. 11 Port Lawrence Bldg., Toledo, Ohio.

Eggs in Relation to the Pure Food Question

By "UNCLE DUDLEY," Atlanta, Georgia

CONFRONTING the Southern farmer there is today a very serious question, one that he should look into and correct. Recently, there has been all over the country, North, South, East and West, a determined effort on the part of the Agricultural Department of the United States government, and then by the governments of the different states and also by many prominent individuals, to give the people of the entire country pure food. The South is making a splendid fight against impure grain for the farmer and impure food for everybody. Every one in the South should do every thing in their power to assist in this great fight. Pure food means much to each individual, and as the farmer is the producer of everything that we eat, it is but reasonable we look to him, to get into the front rank and do valiant service, not only for his own, but for his neighbor's protection, and so I desire to call his attention to some facts about eggs. Now the question should deeply interest him, what sort of eggs am I sending to market? And what sort of eggs are my wife and children eating day by day? So in this article I propose to give facts that will startle some folks, but you can't disprove a single fact that I give. Eggs are porous, they absorb bad odors, and if laid in a filthy cow-pen they absorb part of the filth. If the nest is among the noxious weeds they absorb the noxious odors, place one or two drops of turpentine or an egg and you can not eat it. Kerosene oil will produce the same effect. Did you ever milk a cow in a filthy cow stable? Well, if you never have done so, I want to tell you that you can detect the odor as soon as you get to the house and yet eggs take in bad odors more quickly than does milk. Again as to feed. Every farmer knows that in the spring, if the cow eats bitter weeds or wild onions, what the result would be on the milk. Why? Because that everything that a cow eats goes into the milk. Now why not everything a hen eats go into her eggs? Well it does. Laying hens kept about a filthy lot, taking into their crops and breathing into their lungs, necessarily become saturated with filthiness. Then how can their eggs be pure enough to eat? Are we really bent on having pure food? Well, says the farmer, how can I remedy this? Have a yard built for your laying hens, a house for them to roost in, feed them on grain and green food, do not let them lay in the house, empty the ashes in the yard, spade it up once a week. When you go to town tell the folks what kind of eggs you have for sale. Go to every doctor in town and tell him that you have eggs, packed in boxes, one dozen in each, with the date the egg was laid marked on the egg. That

the hens were fed on pure, clean food, that you guarantee them to be fresh and clean, inside and outside, he will want them for sick folks and you will soon build up a trade that will enable you to get for every egg taken to market, ten cents a dozen advance on the market price.—"UNCLE DUDLEY, Atlanta, Ga.

Poultry Husbandry in the Public Schools

IN THE great movement to establish agricultural instruction in the public schools excellent use is being made of poultry culture by some teachers. Professor Bauer, Supervisor of Agriculture, Boise public schools, puts it this way:

"Almost everyone is interested in animals. The question arises how can these things be taught in our books. Our new books are excellent but we need something more. Poultry is our solution. Poultry offers the most available material at the slightest expense for the teaching of the general principles of feeds, and feeding, management, laws of breeding, etc., which will apply to other animals equally as well as to poultry. Other claims are that no other agricultural industry directly touches so many homes and is so universally a factor in country living, etc."

The poultry plant of the Boise public schools was modeled mainly after that of Illinois schools where Professor Barto of the University Extension department has been doing splendid pioneer work.

I believe that an *incubator* and a *beehive* should be parts of the educational equipment of every school at suitable seasons of the year. If not an incubator then at least a "*broody hen*" and under her some *white-shelled eggs*. Then with an egg-tester the teacher can give the pupils the best possible lessons regarding that strange thing which we term "Life." Huxley says that the development of the embryo chick in the common hen's egg is the most wonderful thing in the world. These live object lessons certainly interest and instruct the children and help to connect the school with the farm and home life.

I have worked out a scheme of study of the embryology of the common hen's egg, which is a guide to the successive stages of incubation, for the use of teachers and will gladly send a typewritten copy free to help any teacher who wishes to try the plan. It works nicely.—A. A. BRIGHAM, Director College Extension, Brookings, S. D.

The Origin of the Indian Runner Duck

By CLAYTON I. BALLARD, White Pine, Tennessee



ABOUT eighty-four years ago, a ship's captain from England, then sailing in East Indian waters, saw this peculiar duck, and never having seen any ducks in his travels to all parts of the world like these, he purchased some and carried them to England and presented them to friends then living in Cumberland County. From this beginning, they were later introduced into the United States. For several years they were little known in this country, and up to the last five years but three or four breeders had ever advertised them.

I have never known any breed which seemed to possess so much interest for its breeders, whether they were or were not finished fanciers. Originally the plumage color was dark penciled fawn and white, such as the English standard calls for. At the present day the light fawn and white, with the



BUFF COCHIN HEN

Bred and owned by Uncle Sam's Poultry Yards, S. Berger, proprietor, Pleasant Hill, Ohio.

fawn parts of the plumage an even shade throughout, is an American production, and has been made by selection—that is, by taking your very lightest plumaged birds and mating them separate from year to year. All of the original importations were dark penciled fawn, such as you will find in England today.

Indian Runners as they are bred, and all I saw in my travels in Oriental countries, are dark penciled fawn and white, with cheek markings and tail a darker shade of fawn than other parts of plumage. They are very erect in form and swift on foot, hence their name, Indian Runners. The standard weight for males is $4\frac{1}{2}$ pounds, duck 4 pounds.

One needs to handle Indian Runners for some time and learn their typical carriage and their habits of behavior in the various periods of growth in order to judge them fairly. I suppose it has not occurred to some that it is almost impossible for a laying bird to hold her typical carriage and form; in other words, a duck that has laid two years cannot be as trim and erect in carriage as one just at maturity.

As color only makes the variety, shape and carriage should be first considered. We now have three varieties—light fawn and white, dark fawn and white, and pure white Indian Runners. From a utility standpoint one variety is worth as much as the other; for with proper feed and care, one color will lay as many eggs as the other. But you must have shape and carriage to get the greatest amount in egg production. If you are breeding for show purposes, or both, you should select the light fawn and white, as they are the only variety of Indian Runner recognized by the American Standard of Perfection. Some claim that the light fawn ducks lay a tinted egg, which was caused by introducing for-

eign blood (Pekin, or some other white duck). If this is true, why a green egg, as the Pekins lay a pure white shelled egg? There are some strains of the dark fawn that, now and then, you will find a duck that lays a tinted egg, as is the case with a few light fawn ducks.

Going back to chickens, I have seen a White Leghorn hen that had not for years had any chance of a cross that would lay an egg of a brownish tint, or color. Will the green egg fellow explain this? We all know in a wild state that all breeds of ducks lay a green tinted egg, and on the same theory it is reasonable to suppose that the Indian Runner, in its beginning or wild state, layed a green tinted egg. We have found in years of experience that some few dark, as well as light fawn and pure white Indian Runners, lay a tinted egg; also that the best strains of the dark fawns will show up a few extra good standard marked light fawns; also now and then a "sport" that is pure white in all sections.

As I said before, don't worry about the color, as we have three varieties in a new breed, that five years ago most of us had never heard of. But be certain you have the shape and carriage. Color we can make, but type we must have to begin with. One thing I do know is one variety will lay as many eggs as another. And if you should have or raise a duck that lays a green tinted egg, discard her and in a year or two you will have nothing but ducks that lay pure white shelled eggs.

What success do you suppose any of our noted breeders would have had in making up our new breeds of chickens, had they not paid the very closest attention in their selection from year to year. Write THE INDUSTRIOUS HEN for a copy of the Standard of Perfection and *Hen and Chicks* (you can get them both for \$2.00), and you can learn to breed, raise and win as well as the other fellow.

The Value of Poultry to the Farmer

PROF. GILBERT, of Ottawa, Canada, in an answer to the question, "Why is poultry valuable to the farmer?" gives the following reasons:

1. Because he ought, by their means, to convert a great deal of the waste on his farm into money in the shape of eggs and chickens for market.
2. Because, with intelligent management, they ought to be all the year round revenue producers, with the exception of perhaps two months during the moulting season.
3. Because poultry will yield him a quicker return for the capital invested than any other department of agriculture.
4. Because, while cereals and fruits can only be grown successfully, in certain sections, poultry can be raised for table use or layers of eggs in all parts of the country.
5. Because the manure from the poultry houses will make a valuable compost for use either in vegetable garden or orchard. The birds themselves, if allowed to run in plum or apple orchard, will destroy all injurious insect life.
6. Because poultry raising is an employment in which the farmer's wife and daughters can engage, and leave him free to attend to other departments.
7. Because it will bring him the best results in the shape of new-laid eggs during the winter season, when the farmer has the most time on his hands.
8. Because, to start poultry raising on the farm requires little or no capital under any circumstances. With proper management, poultry can be made with little cost a valuable adjunct to the farm.

In going through our stock of books, we find that we have just a few copies of that splendid book, "Minorcas of every comb and color," by Northup. We have decided to give these books absolutely free to old or new subscribers to this magazine. To each person sending us one dollar for a three year's subscription to THE INDUSTRIOUS HEN, either for yourself or for a friend, we will send a copy of the book free. The book sells regularly at fifty cents, and should be in the hands of every Minorca breeder. Order at once, as this offer will be withdrawn when the present supply is exhausted.

"Our business in the South is increasing every day. We were very much pleased with the results from our advertising last season with you, and it is a pleasure to recommend THE INDUSTRIOUS HEN every chance we get."—Wm. Cook & Sons, Scotch Plains, N. J.

A Final Word Anent the A. E. Poultry Show



SHORTLY after this issue of THE INDUSTRIOUS HEN reaches you, the entries to the second annual Appalachian Exposition Poultry Show will close. The dates for the exhibition are Sept 25 to 30, the entries will close Sept. 12, at midnight, and entry fees received later than that date will be returned. The show will be held by permission of the American Poultry Association, and 6,000 copies of a complete

and handsome catalogue have been mailed out. The interest shown and inquiries received up to this time indicate that in points of exhibits and attendance the poultry show will eclipse that of last year, while the quality of the exhibits will be unexcelled.

A large, well lighted and ventilated building has been erected and ample room will be supplied for three thousand birds, the building covering over twenty thousand feet of floor space. The judges, five in number, are the best that could be secured. Mr. J. C. Vaughan, of Lebanon, Tenn., has been secured as superintendent of the show; he has worked hard for a large exhibit, and reports prospects very flattering. Mr. John E. Jennings, secretary, Knoxville, Tenn., is receiving many requests for additional catalogues and entry blanks, which are mailed promptly to all who care for them.

All awards at the Appalachian Exposition show will be made by comparison. Judging will begin at 9 o'clock, a.m., Tuesday, Sept. 20. The entry fee on single birds will be 50 cents, and on exhibition pens, \$2.00. Birds should be delivered or sent by express to J. C. Vaughan, Appalachian Exposition Poultry Show, Chilhowee Park, via Knoxville, Tenn., express charges prepaid, otherwise birds will not be received.

Many special features have been arranged for the show, chief among which is the poultry institute, to be held on Wednesday and Thursday nights. The stereopticon, live birds and poultry appliances will be used in illustrating lectures on subjects that are of vital interest to poultrymen. Judge S. T. Campbell, secretary of the American Poultry Association, will conduct the exercises, assisted by Prof. H. A. Morgan, director of the Agricultural Experiment Station, Knoxville, Tenn. President Reese V. Hicks, of the American Poultry Association, will speak on "The Benefits to Poultrymen of Thorough Organization," a subject that should enthrall every lover of poultry. Mr. J. H. Robinson, editor of *Farm Poultry*, will deliver an address on "Permanent Poultry Culture," and Mr. R. V. Mitchell, of Ithaca, N. Y., will give a stereopticon lecture on "Methods of Killing and Packing Poultry." Other speakers of prominence may be expected to make short talks of interest to poultrymen.

Arrangements have been made to ship all birds entered for the Appalachian Exposition show direct from the Allentown, Pa., show to Knoxville. The Allentown show is a three day show, and birds will be released there Friday, Sept. 22, at noon, in ample time to reach Knoxville by Saturday noon. Exhibitors at the State Fair show at Nashville may ship their birds on Saturday night, Sept. 23, direct to Chilhowee Park, via Knoxville. They will arrive on Sunday, and will receive prompt and careful attention. The Appalachian Exposition Co. will have a man at Nashville to accompany the birds to Knoxville and care for them in transit.

The cash and special prizes to be awarded at this show are well worth competing for. Over \$1,000 in silver cups, gold and specials will be awarded in addition to the regular cash premiums. A silver loving cup, valued at \$100, standing 22 inches high, and known as the Appalachian Exposition Directors' Cup, will be awarded to the exhibitor showing the largest number of birds of merit of any one variety, turkeys, ducks, geese and bantams excepted. Gold specials of \$50, \$25, \$10 and \$5 will be awarded to the next four exhibitors competing in this class. Wm. Cook & Sons, Scotch Plains, N. J., offer a \$50 cup to those who breed and advertise the Cook strain exclusively, those competing for this cup to so specify on entry blank.

THE INDUSTRIOUS HEN offers one silver loving cup, valued at \$25 for the best hen in the American class, while *Poultry Culture*, of Topeka, Kans., offers a handsome silver cup to be awarded to the best Barred Rock cock. An especially handsome cup will be offered by Judges C. I. Fishel and Wm. C. Denny to that exhibitor whose birds of any one variety show the highest degree of excellence and the greatest uniformity of type and breeding.

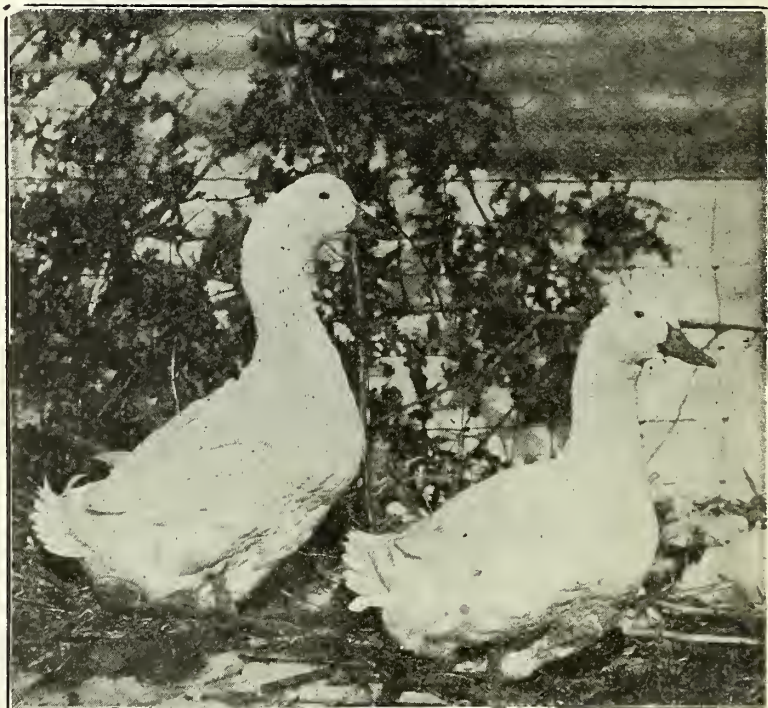
The Rhode Island Red Club of America will give two fifty dollar cups to be awarded as follows: First, for the

best Single Comb Rhode Island Red cock, cockerel, hen, pullet and pen; second, for the best Rose Comb Rhode Island Red cock, cockerel, hen, pullet and pen. The Rhode Island Red Club of America rule of points to govern these awards, and competition to be open to all members of the Club in good standing before the awards are made. The same Club is also offering \$50 in cash prizes to be awarded as first and seconds on Rose and Single Comb birds.

Many of the specialty clubs are offering club ribbons, while the American Buff Leghorn Club is offering specials aside from the ribbons, valued at \$25, four members required to compete.

A county prize of \$50 in gold for first and \$25 for second will be given to the poultry association in the Appalachian territory (excluding Knox County) entering fifty birds or more, and winning the greatest number of points. All birds must be entered in the name of the Association as well as in the names of owners, and name of county must also be given. Special State cash prizes will also be given for the best pens of birds from the eight Appalachian States. Prizes of \$10 for first and \$5 for second pen will be awarded to exhibitors from the following States: Tennessee, North Carolina, South Carolina, Georgia, Alabama, Virginia, West Virginia and Kentucky.

A new feature at this show will be the awarding of prizes for table eggs, with Messrs. C. I. Fishel and Wm. C. Denny as judges. A suitable place will be provided for the display of eggs in the poultry building, and all eggs must be in place by noon, Sept. 26. Quality, color, shape, freshness, and



Pair of Pekin Ducks, bred and owned by Dawson Brothers, Franksville, Wisconsin, who are also breeders of African and wild Canadian White China, Toulouse and Embden Geese, Bronze and W. Holland Turkeys

size will be considered in awarding prizes. Prizes are offered on five varieties besides farm eggs not pure bred, also for the best dozen brown and white shelled eggs, which may be shown in small baskets or other attractive package.

Cash prizes to be awarded by the Exposition are very liberal, and will be paid on cock, cockerel, hen, pullet and exhibition pens. On single birds the cash prizes will be as follows: First, \$3.00; second, \$2.00; third, \$1.00, fourth and fifth, ribbons. Exhibition pens, first, \$6.00; second, \$4.00; third, \$2.00, fourth and fifth, ribbons. And so we could go on and on enumerating the many handsome cash and special prizes that are to be awarded, and the multitude of exceptional offerings that will greet you at the great Appalachian Exposition Poultry Show this year. Suffice it to say that your comfort and convenience and edification are the first consideration of the management, and that "The Spirit of the Appalachians" will see its exemplification in Knoxville Sept. 25 to 30. Whether you are an exhibitor or not, we invite you to come. The invitation is to whosoever will. The hospitality of a great city is yours and we bid you thrice welcome to the South's greatest poultry show for 1911.

Thirty-Sixth Annual Convention A. P. A.

Making Public a Private Letter Received From Managing Editor
L. B. AUDIGIER During His Sojourn Above the Clouds

Denver, Colorado, August 10, 1911.

MR. E. H. DePOY, Associate Editor *Industrious Hen*,
Knoxville, Tenn.

My Dear Mr. DePoy:—

The Thirty-Sixth Annual Convention of the American Poultry Association, the largest live stock organization in the world, is over, and as I am going down to Colorado Springs, Pike's Peak, Pueblo, and home by Amarillo, Texas, Oklahoma City and Little Rock, I'll drop you a line from here before I get so many things mixed up with the Convention that my brains will feel like scrambled eggs, and I won't remember anything that happened.

I got "Dizzy's" letter and was glad to learn that "Maud" was behaving, but tell him to leave out the brass band at the depot. I also received from Miss Bessie August copies of the "Hen," the Knoxville folders, and the Exposition folders and the Poultry Show premium lists, all of which went like hot cakes. I've found plenty of people who know about the Exposition, and saw several who will bring some chickens to the show. Prospects from here look mighty good for a great show. Judges Denny and Fishel are here and both are very popular. Denver is a great city and we've had a good time.

Reese V. Hicks, "Rusty" Palmer, Vincent, Quisenberry, Branch, (the only one) Hale and a bunch of boys joined me at Kansas City and we came through to Denver in about twenty-two hours in special sleepers and an observation car over the Union Pacific in comfort and style. Some of the delegates arrived ahead of us and others didn't get in for three days on account of a washout—the first rain in six months. I told Reese so many poultry people would bring rain. President Bryant, Judge and Mrs. Campbell, and the youngest cockerel in the coop, Master Alexander Campbell, were at the Brown Palace Hotel to welcome us.

The Colorado Branch, with President A. A. Peters, Secretary G. W. Videtz, and Messrs. D. L. Hollingsworth, J. B. Lippitt, Chas. G. Rothwell, and other poultrymen about Denver have made us feel at home. Everything for our pleasure and entertainment has been provided for, and when we have had time have accepted invitations. We have all been pretty busy though, attending executive committee meetings and then the convention—one following immediately after the other. President Bryant is a dispatcher of business and when he's in the chair things go to humming.

The reports of the various State branches were read and showed a remarkable increase in membership and a wonderful progress of the organization. The Tennessee State Branch was given a charter, and a new election of officers will be ordered at once. Since I have been honored with the office of Second Vice-President of the Association, I must resign as president of our State branch.

Both the Atlanta Associations were granted licenses to hold shows this winter. Many of us thought that the only solution of the question. There are two associations of good poultrymen, both seeking admission at the same time on the same grounds. This ruling may be the means of waking up the poultry people of good old Georgia, and open the way for two of the best associations and shows in the South. Atlanta could hold two shows if she would put them far enough apart. Indianapolis tried for two shows also, but their contentions were of an entirely different nature, and it was not thought best to authorize them. The Executive Committee is composed of a mighty fair, square set of people, and I believe their transactions will be generally approved.

I came to Denver, as you know, with the idea of getting the next meeting of the Convention to come South. I was dead set on that; and in my speech to the Convention when I was "initiated," I invited the Association to come South. I said that we appreciated the fact that the three first officers of the Association had been elected from the South (you know we claim Hicks yet), and that we wanted to be given an opportunity another year to show what we could do in the way of entertaining them. It's up to us now, to get this Convention, and one of the best ways for us to show our faith by our works is to go to work for a large membership. We must have now about 4,000 members in all, but not over a thousand in the South and West. But the sentiment is already with us. The members here realize that the South hasn't had a Convention since the Association has been re-organized, and that we have the field and the timber by which

the membership could be doubled, and it rightly belongs here.

As Nashville and Atlanta were the only two Southern cities that made an effort to get it, we deemed it wise for us to "get together" first, so we could consolidate our forces on some one point. Finally Atlanta was persuaded to withdraw and then some real good work was done for Nashville, and with one accord our capitol city leaped to the front; and while the election will not take place until next April, it was the consensus of opinion of those present that the next meeting should come South and that Nashville, the capitol of Tennessee, would be the choice of the voters.

We were very fortunate at this time, for these meetings are being much sought after, and according to solicitations and promises, the next four meetings are practically pledged as follows: Nashville, 1912; Atlantic City, 1913; Detroit, or some other Northern city, 1914, and a cinch to San Francisco, the Panama Exposition, in 1915. By that time I predict 15,000 members.

Say, I ought to have had my stenographer with me. Curtis had his, and when my friend Hunter sat down by me taking notes for his journal, Mr. Curtis asked me if I wouldn't have my stenographer take down a resolution that was being read. It really embarrassed me when I had to tell him I had no stenographer. We've had lots of fun, and mighty little "hurts;" none I think that haven't healed already. Mr. Curtis is a good debater and sometimes hits straight out, and when the other fellow lands him one, it's alright. Some one said he came here expecting Curtis to have horns, but he didn't even have hair.

I haven't kept any notes, and don't intend to make any extended report of the meeting for publication, as several of the poultry journals will publish the proceedings in full, and our readers will be surfeited with the details. As I am going to visit my mother in Arkansas, it may be some time before I get home. The Standard will be revised. The old committee was authorized to make certain changes and corrections in the illustrations and the text and print a new edition of 25,000 copies as soon as possible. Lots of fuss has been made about the new Standard, and, of course, there were some errors, but there always have been errors, and I suppose there never will be a perfect Standard. New revised Standards will be exchanged for old ones; besides, I think it's the intention of the Standard Committee to issue a corrected supplement showing such changes that have been made.

Colorado Springs, Colo., August 12, 1911.

Came down here yesterday and have been entertained by the Pike's Peak Poultry Association. Have been to the top of the Great Divide; played snowball in August; stood on Pike's Peak and sent a telegram from the highest telegraph office in the world—almost three miles; visited the grave of Helen Hunt Jackson; fell in the Seven Falls of the Cheyenne Canyon and got rescued, and now I'm ready to go home and feed the chickens. I may get home in time to give you some real news about the Convention.

Will drop you a line from Pueblo, where I will stop for a few days.
L. B. A.

WHERE disease of any kind exists it may be caused by the soil or the poultry house being infected. If a fowl dies and there is any reason to fear that diarrhoea has been the cause of its death, the birds should be immediately taken out of the poultry yard and isolated. The poultry yard and poultry house should be well cleansed, the droppings removed, and the walls, perches and soil washed with plenty of water. The water used should contain a tablespoonful of carbolic acid per quart, and a stiff broom or brush should be employed in the cleansing process. When ten days shall have elapsed without a death occurring, the birds need no longer be isolated, excepting those which show signs of prostration, depression, or sleepiness. These simple means will be found sufficient to stop the progress of the contagion and to prevent its return. If these means are employed as soon as the disease first makes its appearance, they will reduce the losses to an insignificant figure—E. G. WARDIN, Charlotte, N. C.

Mr. Jas. B. Dismukes, of the editorial staff, will represent THE INDUSTRIOUS HEN at the Tennessee State Fair this month, and in the October issue will give a general resume of the show in every particular to our readers.

THE INDUSTRIOUS HEN

AND

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Poultry Culture in Public School Curriculum

WITH Prof. George H. Cook, superintendent of public instruction as president, an organization to be known as the Arkansas Schools Poultry Club is being formulated, its purpose being to promote the poultry industry in the State of Arkansas. Membership in the club is open to all teachers and pupils of Arkansas schools and anyone identified with the poultry industry, although the prize competition is open only to the schools. Other officers of the club are Prof. J. J. Doyne, president of the State Normal School, who is vice-president, and Lawrence W. Young, of Little Rock, secretary and treasurer. The executive committee of the new organization, which includes some of the leading citizens of Arkansas, is as follows: Clay M. Sloan, Hillory Jennings, Prof. R. C. Hall, Little Rock; Prof. J. W. Kuykendall, E. N. Hopkins, G. C. Watkins, Fort Smith; Dean C. F. Adams and George A. Cole, Fayetteville; Prof. J. S. Williamson, Greenwood; John Trainor, Mena; W. M. Shaver, Tuckerman; John Winham, Texarkana; D. A. Crockett, Hot Springs; A. W. Lowe, Pine Bluff; J. J. Tibbits, Bearden; H. K. Sanders, Magnolia; A. K. Short, Russellville, and V. C. Kays, Jonesboro. G. C. Watkins, of Fort Smith, is in charge of the lecture bureau.

This movement, which is receiving the support of the leading educators of Arkansas, is in line with plans which have received publicity in the poultry press in the recent past, and of which Prof. A. A. Brigham, of the South Dakota College of Agriculture, speaks on page 108 of this magazine. For some years the writer has contended that poultry husbandry should have a regular place in the course of study in our public schools, and more especially do we think this should be so in all rural districts. Hundreds of thousands of dollars are expended annually in experimental work in all branches of agriculture. In a few states, it is true, the value of the poultry industry has been recognized, and liberal appropriations have been made, and it is in these states where the greatest progress has been made. In Missouri, for instance, where some liberality has been displayed by the State legislature in dealing with the poultry industry, the increase in the value of poultry kept on the farms was 107.5 per cent in the last ten years.

The value of farm poultry products in the United States this year will probably exceed one billion dollars, and yet no industry receives so little attention from legislators, educators,

and others who are in a position to aid the industry in many ways. The burden of most of the educational work in this, the most lucrative of any department of farm endeavor, has been upon the poultry press, and as a fitting tribute to the success of the work they have done, the Arkansas Schools Poultry Club has adopted the *Union Poultry Journal*, of Fort Smith, as its official organ, and as a supplementary text book to be used in its work in the public schools.

While the value of the work done by the poultry press cannot be over-estimated, its work is limited in many ways, and of necessity is often necessarily theoretical, because of the absence of means whereby the practical side of the work may be presented. The cost of apparatus suitable for doing practical demonstration work in our schools, colleges and experimental stations is very reasonable, and the legislatures of the various states should see to it that poultry husbandry becomes a part of the curriculum in every school in our land, especially in the rural districts. We believe the work should receive especial stress in the country because the farm is where the great bulk of our poultry must come from, and that not only the boys but the girls as well may receive the benefit of the training offered in these special courses.

The result of the work done by the Arkansas Schools Poultry Club will be watched with eager interest. Many other states might well emulate the example of the educators of Arkansas, a state which produced and marketed eggs and poultry to the value of more than twelve millions of dollars during the year which closed July 1, 1911. It would have required 3,792 cars to carry this product, making a train more than thirty four miles in length. This train will move again on July 1, 1912, with the state superintendent of public instruction at the throttle, and manned by an enthusiastic army of energetic young farmers and poultrymen of Arkansas who have mastered the practical workings of poultry husbandry through the excellent courses offered by the public schools of that state.

Important Announcement to Our Advertisers

All advertisers are urged to send copy for advertisements not later than the 20th of the month preceding date of publication. Those desiring to change advertisements must send notice, to reach us not later than the 12th of the month. THE INDUSTRIOUS HEN will hereafter be issued on the first of each month. It is imperative that all copy reach us not later than the 20th of the month. Copy received later than that date positively will not be used in the current issue.

This change is made in the interest of our advertisers, and we trust all will conform to the new regulation as readily as possible.

THERE is a movement on in Austria for the better marketing of meat products. The Austrian government is helping the live stock raisers to secure prompt economical transportation to great central markets. The tariff receipts on imported cattle and swine are used to encourage live stock raising and exportation. The co-operative agricultural societies have united in a great federation which seeks to aid and encourage production, to cheapen transportation, to eliminate superfluous middlemen and reduce the costs for the consumer.

In Ireland the poultry raisers and producers of eggs have successfully organized and are co-operating successfully to increase their profits while giving the consumers of poultry products full value and best quality for their money.

When will the poultrymen of America learn to pull together and push poultry progress? Start a poultry club in your locality. Let us have State Branches of the American Poultry Association in all the States. Let's co-operate and control our own affairs. Both producers and consumers will benefit by this arrangement.—A. A. BRIGHAM, Brookings, S. D.

Friends of THE INDUSTRIOUS HEN are cordially invited to visit us at our booth on the grounds, or at our publication offices in the city of Knoxville, during their visit to the Appalachian Exposition, Sept. 11 to Oct. 1. We shall be glad to become personally acquainted with every breeder who may be in the city during that time. The dates for the Poultry Show are Sept. 25 to 30. Many interesting features have been arranged for, a large entry is being booked, and we trust that you will arrange to be here.

The second edition of *Hen and Chicks* has been issued, and is now ready for delivery. The price of the book is fifty cents by mail, prepaid, or with a year's subscription to THE INDUSTRIOUS HEN for seventy-five cents. All orders should be sent direct to this office.

Some Unsolicited Testimonials

Which Clearly Demonstrate That The Industrious Hen is the South's Best Poultry Paper and Advertising Medium

"Our business in the South is increasing every day. We were very much pleased with the results from our advertising last season with you, and it is a genuine pleasure to recommend THE INDUSTRIOUS HEN every chance we get." WM. COOK & SONS, Scotch Plains, N. J., originators of all the Orpingtons.

"I say, without hesitation, that I believe I make as many sales from my advertisement in THE INDUSTRIOUS HEN as I do from any two others with whom I have contracted."—OSCAR E. MILES, Columbus, Ohio, breeder of R. I. Reds.

"THE INDUSTRIOUS HEN is all right, and I find it a first-class advertising medium."—D. M. OWEN, Athens, Tenn., poultry judge.

"My advertising during last season brought me a lot of inquiries, and I have made some good sales."—J. W. LEE MAN, Hendersons X Roads, Tenn., breeder of Brown Leghorns.

"I got better results from the two-inch ad in THE INDUSTRIOUS HEN than any two of the other papers I was advertising in."—B. N. ANDERSON, Madison, Tenn., breeder of Rhode Island Reds and White Leghorns.

"I regard THE INDUSTRIOUS HEN as a fine advertising medium for Southern fanciers and poultrymen. It has brought me more sales than any other paper in which my advertising has appeared this season. It is a wide-awake, up-to-date periodical, and should be in the home of every poultryman in the South."—JNO. W. LASLEY, M. D., Burlington, N. C., breeder of Barred Plymouth Rocks.

"I have been advertising in THE INDUSTRIOUS HEN for some time, and have had excellent results—have made some good sales. I think it a number one paper for advertising."—ROBT. P. ADAMS, Lynchburg, Va., breeder of Buff Leghorns.

"I find THE INDUSTRIOUS HEN is the best advertising medium in the South. I make this assertion because of the fact that I have tried them all."—CLAYTON I. BALLARD, White Pine, Tenn., breeder of Indian Runner Ducks.

"Since we began our advertising with you, we have been swamped with inquiries regarding our birds. We think THE INDUSTRIOUS HEN the best advertising medium in the United States."—DISMUKES & ARRINGTON, breeders of Mottled Anconas, Castalian Springs, Tenn.

"I thought you would like to know the success I have had with my advertising with you. I have entirely sold out of stock, and could have sold hundreds of more birds if I had them. I received a good many inquiries from all over the South. I think this speaks well for THE INDUSTRIOUS HEN as an advertising medium, as I have used it almost exclusively."—THOS. S. ALLISON, Louisville, Ky., breeder of White Leghorns.

The South is fast becoming the Nation's richest poultry section.

We have thousands of Southern readers scanning our pages for bargains, for we carry more of them.

THE INDUSTRIOUS HEN is published in the heart of the Middle South, the Thrift Zone of the United States, and "Lays all over the South."

Poultry farms are being started all over this Thrift Zone, the demand is great, and a bountiful harvest awaits the judicious advertiser who will keep the merits of his stock constantly before the buying public.

Eighty per cent of our readers live on the farm and are improving their flocks by the importation of new blood.

You advertisers, who are searching out the line of least resistance; who want to make each dollar of your advertising investment earn maximum results, can find ready sales.

THE INDUSTRIOUS HEN is read by more Southern people than any other poultry journal published, and for that reason is the logical candidate for your advertising.

For the above reasons, no poultryman who wants to make sales can justify his neglect of this market on rational grounds.

FACTS ARE WHAT YOU WANT, and anyone conversant with the poultry situation in the South knows that THE INDUSTRIOUS HEN offers you the surest opportunity for sales and the most chances of sales of any poultry journal circulating in this great poultry section.

We invite you to take advantage of these facts, and also of our very low rate, and to send us your biggest and best contract for the coming season. Start it in our direction today.

Rate card on application.

"Your journal is bringing me great results. I have sold all my surplus stock as a result of inquiries received from all over the country, which shows you have a good circulation."—G. B. MOORHEAD, County Court Clerk, Moore County, Lynchburg, Tenn., breeder of Buff Orpingtons.

"My advertising during the past season with you has been entirely satisfactory. I made some splendid sales, and want to thank you for the interest you have manifested * *"—MRS. JNO. M. GRISSIM, Lebanon, Tenn., breeder of White and Black Minorcas.

"Kindly 'pie' our ad as we are sold down as low as we want to go this year. Will be with you again in August or September."—STANDARD BRED POULTRY FARMS, Burke's Garden, Va., breeders of several varieties.

"Enclosed find one dollar; please send me your paper for three years. I take quite a few poultry journals, but like yours best of all."—W. B. BURTON, President Planters' Cotton Oil Co., Montgomery, Ala.

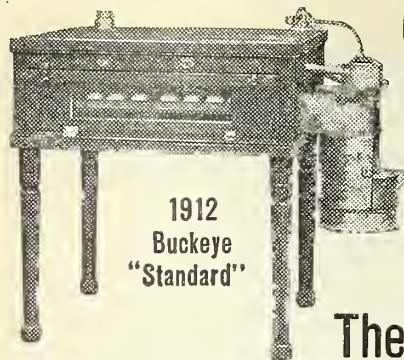
"Business with THE INDUSTRIOUS HEN has been perfectly satisfactory, and if anyone wants to sell stock and eggs, and the 'Hen' can't sell them, it will not be the fault of the paper, for my returns have been excellent."—HARRY CALLICOTT, Coldwater, Miss., breeder of White Orpingtons.

"I was thoroughly satisfied with the results from my advertising with THE INDUSTRIOUS HEN last season and for that reason will run a substantial advertisement with you this year."—MRS. L. L. UPSON, Athens, Ga., breeder of Buff, Black and White Orpingtons.

"Please discontinue my ad. of 'Poultry Punch.' I have had good results and can trace a lot of sales to the key number in your journal. I will be with you again next year and will start earlier."—T. W. ROGERS, manufacturer of Rogers' Poultry Punch, Lamont, Iowa.

"My advertisement in THE INDUSTRIOUS HEN is proving a good investment this season, and I am more than pleased with it. As long as I am in the poultry business, I expect to be your patron."—BECKHAM POULTRY FARM, Beckham, Va., breeders of White Leghorns.

"If I keep on advertising with you I will have to enlarge my plant sure, in order to keep my orders filled. The orders I get now from my advertising in THE INDUSTRIOUS HEN keeps me hustling to fill them. A short while ago I wanted to dispose of some surplus stock and at a cost of 40 cents to me I ran a breeders card in your columns for one issue which brought me over \$50.00 in business. Why should I ever think of advertising in any other poultry paper when yours pays me so well?"—L. M. BARRETT, Secretary Hamblen Co. Poultry Association, Morristown, Tenn., breeder of Mottled Anconas.



1912
Buckeye
"Standard"

BUCKEYE

1912

The Standard Hot Water Incubator

Guaranteed to Hatch Every Hatchable Egg

and remain in perfect working order

For 5 Years

Made in three sizes—60 eggs—110 eggs—220 eggs—and

Sold as Low as \$8⁰⁰

by dealers throughout the United States—from coast to coast. Buckeye Incubators are heated by circulating hot water—the system that is used by all the big hatcheries and acknowledged by all experts to be the best. The temperature is regulated by a metal thermostat! The ventilation is self-regulating! No artificial moisture is required! They are purely automatic in every way and are equipped with every modern device that can possibly add to incubator efficiency. Nothing has been overlooked in making Buckeye Incubators "The Best on Earth."

They are built with double walls of California Redwood and Cabinet finished. Every Buckeye Standard Incubator bears

The Insurance Underwriters' Label of Approval

No other incubator has so many points of merit. Let us tell you all about Buckeye Incubators and why they are best. A postal card request will bring you our book, "Incubator Facts," and a copy of our five-year guarantee—also the name of our nearest dealer.

Read the book and guarantee first—then go to your dealer and examine the incubators. That's all; you'll buy a Buckeye. Send your postal today.

THE BUCKEYE INCUBATOR CO., 525 Euclid Ave., Springfield, Ohio

"Anybody Can Hatch Chickens With a Buckeye"

On the Market 21 Years

Over 225,000 in Successful Operation

Prize-Winning S. C. Buff Orpingtons

Eggs half price the balance of the season. I will also offer a cock bird, winner of three first prizes, and seventeen fine one-year-old pullets, some of them prize winners, for sale at a reduced price, to make room for young stock.

G. B. MOORHEAD : Lynchburg, Tennessee

TERRELL'S S. C. R. I. REDS

Bred for utility, also fancy points. My birds have been winners since 1904 at such shows as Aberdeen and Meridian, Miss.; Nashville and Bristol, Tenn.; Augusta and Atlanta, Ga.; Charleston, S. C.; Houston and Marshall, Texas; Birmingham, Montgomery and Mobile, Ala.; also in the hands of my customers at many of the big Southern Shows, such as Dallas and Ft. Worth, Texas, Oakland, Cal., and Portland, Ore. EGGS—Prize mating, \$5.00; Special mating, \$2.00—half price after May 1st. Some good breeding stock for sale. Write for circular of winnings and matings.

L. K. TERRELL, Birmingham, Ala.

CAMPBELL'S HIGH-SCORING EXHIBITION

Single Comb BUFF LECHORNS

always in the lead as Blue Ribbon Winners wherever shown. At the great Appalachian Exposition, Knoxville, Tenn., won eleven ribbons on seven entries, including specials for shape and color, also silver medal and diploma for best cockerel in Mediterranean class.

—WRITE FOR MATING LIST—

MRS. C. B. CAMPBELL, Asheville, N. C.

Member and State Vice-Pres. American Buff Leghorn Club. Sec'y of N. C. Branch A. P. A.

Flotsam & Jetsam

By The ASSOCIATE EDITOR

Short contributions to this department are solicited. This is your department, not ours. Doubtless many of your chicken experiences would make interesting reading. Send us your best laying records, how you have overcome difficulties. Any item of interest concerning our poultry friends will be appreciated. Some die, some marry, and some do even worse. Please send us such information as you may have.

It's easy enough to be pleasant;
While life rolls along with a song;
But the man worth while, is the man
with a smile.

When the judges go dead wrong (?)

Our "Chief" says he had a great time at Denver. We have often wondered how it felt to be the chief, and now our wonderment increases. Verily, Denver is a great city, and the A. P. A. a great institution.

Senator Money, of Mississippi, asked an old colored man what breed of chickens he considered best, and he replied:

"All kinds has merits. De w'ite ones is de easiest to fin'; but de black ones is de easiest to hide aftah you gits 'em."

A scientist states that a common fly lays 900 eggs a season, and an imaginative chicken crank suggests that probably a pure-bred strain Leghorn fly could do even better.

A Springfield, Mass., man placed a plump hen on a setting of a dozen cold storage eggs. On the twenty-first day, eight chicks hatched out. There are six varieties of fowl in the hatch.

Mr. T. G. Gayle, who resides south of Selma, Ala., exhibited a curiosity such as is seldom seen. It was a two-headed guinea. The little thing was well developed in the egg, but lived only a few minutes after being taken from the broken eggshell.

Milton—"Gibson doesn't seem to be getting rich at poultry raising."

Bilton—"No; but he says his hens have taken to eating their own eggs, and he has hopes that they'll become self-supporting."—*The New Yorker*.

Dismukes & Arrington, of Castalian Springs, Tenn., have a whole flock of Anconas that were hatched in March, and have been laying since the first of August. Some of the pullets commenced to lay at 4½ months old.

"Oh," sneered the self-important exhibitor, who was criticising the judge's awards, "you think you know it all, don't you?"

"Not quite," replied the judge. "For instance, I don't know how you manage to secure an occasional customer."

In the August number of the *Southern Poultry Review*, which, by the way, was a most creditable Rhode Island Red issue, appeared a splendid likeness of Mr. C. A. Dobbs, Gainesville, Ga., breeder of S. C. Reds and White Orpingtons. Mr. Dobbs is one of those Southern

EVERYTHING FOR POULTRY KEEPERS



COMPLETE CATALOGUE, FREE, POSTPAID
IF YOU MENTION THIS PAPER

WE MANUFACTURE MORE THAN ONE HUNDRED ARTICLES

for up-to-date, progressive poultrymen and women, ranging from Cyphers Mammoth Compartment Incubators holding 50,000 eggs at one filling down to 10-cent trial packages of Lice Powder, and every article is warranted to be as represented and is guaranteed to give satisfaction or money refunded. Standard goods we manufacture and sell include the following:

Incubators	Developing Food	Lice Powder	Roofing Paper
Brooders	Chick Food	Lice Paint	Spray Pumps
Brood Coops	Forcing Food	Napcreol (Disinfectant)	Powder Guns
Chick Shelters	Laying Food	Anti-Fly Pest	Wire Fencing
Brooder Stoves	Short-Cut Alfalfa	Egg Preservative	Bone Cutters
Leg Bands	Mealed Alfalfa	Fumigating Candles	Chick Markers
Egg Packages	Full-Nest Egg Food	Drinking Fountains	Bone Mills
Egg Testers	Nodi Charcoal	Grit and Shell Boxes	Root Cutters
Caponizing Sets	Poultry Remedies	Food and Water Holders	Nest Eggs
Scratching Food	Pigeon Supplies	Roost Supports	Poultry Books

OUR COMPLETE CATALOGUE FOR 1911

Consists of 212 pages, 7½ x 10 inches, and contains an illustrated description of all goods we manufacture. Tells about freight rates, gives prices, etc. Full of money-making suggestions, helpful facts, instructive pictures, etc. Illustrates and describes our \$40,000 poultry farm—the largest in the world owned and conducted by an Incubator, Brooder and Poultry Supply Company.

THIS BIG CATALOGUE and Poultryman's Guide is **FREE** postpaid to any address if you will kindly mention that you saw our advertisement in this paper. Note below our six places of business in the United States which insure low freight rates and prompt delivery of goods. Address Home Offices or Branch Store nearest you.

CYPHERS INCUBATOR COMPANY, Dept. 13, BUFFALO, N.Y.

BRANCH STORES AND WAREHOUSES

NEW YORK CITY, N. Y.
21-23 Barclay St.

BOSTON, MASS.
12-14 Canal St.

CHICAGO, ILL.
340-344 N. Clark St.

KANSAS CITY, MO.
2325 Broadway

OAKLAND, CAL.
1569 Broadway

breeders who had the foresight to appreciate the possibilities of the poultry industry in the South where progressiveness and consistency were the ruling virtues, and that a judicious use of printer's ink and a satisfied customer were the two crowning requisites of the poultryman's success.

"This," said the asylum attendant, as he paused in front of a padded cell containing a lone man, "is a helpless case."

Visitor—"Poor man! What was the cause of his trouble?"

Attendant—"He was a poultry judge who tried to please all the exhibitors."

Chas. Wilson, of Nepaug, was fishing in a flat-bottom boat, half a mile from shore, near Winstead, Conn., when a soft hen's egg struck him a hard blow on top of the head. Looking up, he saw a hen in the talons of a large bald-headed eagle, which was circling over the lake. The hen evidently laid from fright in mid air.

Dr. Forrest E. Newhall, of Augusta, Ga., originator of the S. C. White Leghorn Bantam, has succeeded in organizing the American Single Comb White Leghorn Bantam Club. Dr. Newhall is president; Dr. S. T. Lee, of Holly Hill, S. C., vice-president; Charles H. Yates, of Greenville, S. C., secretary, and W. R. Munday, of Augusta, treasurer. The

club will endeavor to have the breed admitted to the Standard. Judge R. L. Simmons, of Charlotte, N. C., says there are breeds in the Standard that are not nearly so good or perfect, and sees no reason why they should not be admitted.

James Watwood, who lives near Fountain Head, in Sumner Co., Tenn., is the proud possessor of a hen with unusual customs—one that builds her nest in a tree like a bird. On Mr. Watwood's place near his residence stands a large sugar tree with a hollow limb about twelve feet from the ground. In this hollow recently he discovered the hen's nest, containing nine eggs.

Capt. A. K. Miller, residing at Lebanon, Tenn., a raiser of fine Plymouth Rock chickens, exhibited quite a curiosity in the shape of "twin" eggs which were laid by one of his hens. The eggs were soft shell, perfectly formed and of usual size, but joined together with a string or ligament about the size of a lead pencil, about two inches long and similar information to the shell of the two eggs.

A rather poor family unexpectedly came into possession of a fortune, says an exchange. They purchased a large farm with hens, cows and pigs. One day the little daughter of the family was showing a visitor about the place.

"Do your hens lay many eggs?" he inquired interestedly.

"Oh! they can," was the haughty reply, "but in our new position they don't have to."

Bedford Warren, of Gallatin, Tenn., has in his possession a curiosity in the shape of a hen's egg. The egg, which is of usual size and smoothness, has on one end the fac-simile of a duck. The figure, which is about the size of a ten-cent piece, stands out in bold relief and resembles carved work. The figure shows a side view complete in all its details, even to the eye. But it remained for a hen belonging to Seymour Barnes, a Bethany, Pa., farmer, to relegate the tales of other proud owners to the Moth-

RHODE ISLAND REDS, INDIAN RUNNER DUCKS

Wanted to sell in 60 days, 150 Rhode Island Reds, Rose and Single Combs, 50 pairs of Indian Runner Ducks from 225 egg strain that win wherever shown, and a few pairs of Golden Seabright Bantams. Bargains to early buyers.

J. C. GATE, Route 5, Milan, Tenn.

KNOLLENBERG'S HIGH-PROTEIN POULTRY FOODS

Have proved their worth over others. Made of pure sound grain. No grit, screenings or weed seeds. No waste. Fully guaranteed. Freight prepaid. Catalog and samples free. Write now. KNOLLENBERG MILLING CO., Dept G QUINCY, ILL.

HP POULTRY FOODS HP

Money in Michigan

Investigate the opportunities that Michigan offers the home-seeker. Each issue of The Fruit Belt describes some section. Send 10 cents for 5 big special numbers. We have no land for sale.

5 South Iona Street

Grand Rapids, Mich



S. C. RHODE ISLAND REDS Golden SEBRIGHT BANTAMS PARTRIDGE WYANDOTTES

Eggs for sale at \$2 to \$3 per 15. Wyandotte cockerels for sale.

W. R. WILLSON
Route 5, McMinnville, Tenn.

BARRETT'S Blue Ribbon Strain Mottled Anconas

Are the kind that win and lay. Also S. C. Rhode Island Reds, White Orpingtons, Indian Runner Ducks and Toulouse Geese. A few choice cockerels and ducks for sale.

L. M. BARRETT, Morristown, Tenn.

BUTTERCUPS, S. C. B. MINORCAS WHITE WYANDOTTES

Eggs balance of season \$1.00 per 15
Young stock for sale Oct. 1st.

J. B. SANDER, Route 6, Paducah, Ky.

RHEUMATISM

A CURE GIVEN BY ONE WHO HAD IT



In the Spring of 1893 I was attacked by muscular and inflammatory rheumatism. I suffered as those who have it know, for over three years, and tried almost everything. Finally I found a remedy that cured me completely and it has not returned. I have given it to a number who were terribly afflicted, and it effected a cure in every case. Anyone desiring to give this precious remedy a trial, I will send it free. Address,

Mark H. Jackson, No 544 James Street, Syracuse, N. Y.
Mr. Jackson is responsible. Above statement true.—Pub.


Cuts of Quality

OLD PHONE 1612

Commercial Engraving Co.

L. A. WILLIAMS, Proprietor
 HALF TONES ZINC ETCHINGS
 DESIGNING ILLUSTRATION
 COLOR PLATES

604½ GAY STREET KNOXVILLE, TENN.

A Poor Cut is Expensive at any price. Give us your order and accept NOTHING BUT THE BEST.

ORPINGTONS, Buffs and Blacks

INDIAN RUNNER DUCKS, The True
Fawn and White Kind

E. W. PHILLIPS, Pine Bluff, Ark.

Single Comb Buff ORPINGTONS

If you want the kind that lays every day in winter and wins in every show, try my **Imported Gold Medal Strain**. Price of Stock—Males, \$5.00 to \$20.00, Females, \$3.00 to \$10.00. Eggs \$3.00 and \$5.00 per 15, all the time. Write your wants.

MRS. LULA LAWSON, Route 4, Box 19, Cleveland, Tenn.

HARRY MARTIN, Poindexter, Ky.

BREEDS BARRED PLYMOUTH ROCKS

That won every Ribbon offered for Cockerels at Blue Grass Fair 1910, at Appalachian Exposition 1910, and Kentucky State Poultry Show 1911, and the lion's share of all other Ribbons on Barred Plymouth Rocks, including Cups, Specials, etc.

FERGUSON'S WYANDOTTE YARDS

NEW MIDDLETON, TENNESSEE

600 Young White Wyandottes and Silver Wyandottes for sale from One of America's Best Strains.

Dozier's Famous Barred Rocks

Best in the South. No stock for sale—sold out. Will begin to sell this year's breeders after May 1st. Eggs for Hatching—\$3 and \$5 per 15 up to May 1st; no eggs for sale after that date. Write for booklet.

C. H. DOZIER & SON : Marion, Alabama

Do You Know J. A. Thornhill?

He breeds quality Single Comb Brown Leghorns and Rhode Island Reds. A few cockerels for sale. Eggs \$1.50 and \$3.00 per 15; \$6.00 and \$8.00 per 100.

THORNHILL'S POULTRY FARM, Hartselle, Ala.

er Goose class. Barnes declares that one of his hens has a habit of laying pictured eggs, similar to the ones displayed in toyshops during the Easter season, and he has produced interesting proof of his claim. It was an egg of normal size, decorated in variegated colors. Two-thirds of the shell is of a bluish tint and dotted with black specks. The specks form strange combinations, and close examination reveals a large bird, with elongated body and tail, like a cuckoo, a peacock's tail; outlines suggesting an artist's palette and brush, and the numerals 11 and 12. The remainder of the shell is white. Skeptics accused Barnes of painting the egg, but when a magnifying glass was produced, they discerned that all the marks, colorings and figures are a part of the shell.

The first annual meeting of the Southern Poultry and Egg Shippers' Association will be held in Nashville in October. This convention will be attended by handlers and shippers of poultry products from all over the Southern and Central States. It is estimated that the business done by the members of this association amounts to over \$30,000,000 per annum.

Poultry raising is not a get-rich-quick proposition. It is not a Garden of Eden robbed of its forbidden fruit or deceiving serpent. It is a plain, practical business proposition. It requires a small amount of mazuma to purchase the outfit, and "elbow grease" is the only lubricant that will keep the wheels of progress from running hot. It requires work, but the recompense of the reward lingers. The field is the world, and the work, if well done, pleasant and profitable.

The father of Judge W. H. Wadhams, says one of our sister poultry journals, had a chicken coop and a dog and a stable hand. It began to look to Mr. Wadhams as though some one had discovered the combination. So he kept the coop and the stable hand, but he got a new dog. Next day the bent old negro who groomed the Wadhams horses came to him.

"You los' you affection foh me, boss?" he asked.

"No, Scipio," said Mr. Wadhams. "I like you as well as ever."

"Then," asked Scipio peevishly, "w'yn't you tie old Rover in de chicken coop sid of dat new dorg?"

Dr. Edward L. Tracy, age 37, died at the Battle Creek sanatorium a short time ago. Dr. Tracy graduated from the Physico-Medical School of Chicago, practiced in New Orleans for a time and about five years ago moved to Little Rock, Ark. He was married in Milwaukee to Miss Emily Drueke who survives him.

Dr. Tracy was recognized as one of the leading poultrymen of the South and an eminent authority on caponizing. Many of our readers knew him, and will be pained to learn of his demise.

The editor of this department has received the following interesting letter from Mr. H. A. Swanson, assistant cashier of the Clay Center State Bank, Clay Center, Nebr:

"Your August issue contains a laying record of a S. C. Rhode Island Red pullet, owned by Chas. M. Roberts, of Minden, La. In the closing paragraph



A \$2,000,000,000 Poultry Product Builder

Oculum, based on U. S. Government diagnosis, comes to the relief of the long-suffering poultry producers with this momentous assertion: "I can inoculate your fowls and increase the annual value of the poultry of the U. S. from \$1,000,000,000 to \$2,000,000,000. Let me help you."

Oculum has overcome and thrust to the heart, White Diarrhea, Cholera, Roup and Gapes.

You can raise fowls in any quantity at a sure profit.

Oculum destroys the Cholera, Roup and White Diarrhea germ that kills yearly $\frac{3}{4}$ of all fowls hatched, and also the Gape Worm.

From Bradley Bros., Lee, Mass

"Oculum" appears to be the long-needed remedy for cases of liver and bowel trouble, heretofore regarded as incurable. Have tried it also with satisfactory results upon a few cases of baby chicks—"incurables"—which bid fair to fully recover.

From A. G. Dustin, Rose Lawn Poultry Farm
South Framingham, Mass.

I enclose \$1.00 for bottle of "Oculum." I broke my bottle accidentally and find I cannot keep house without it, not so much for a cure all as for a smart tonic. What about handling this for you?

OCULUM

Farm, J. C. Fishel & Son, P. J. Armstrong, Mrs. Ellen Jacque, Oscar E. Miles, J. Gaylord Blair, Geo. A. Ruessler, N. R. Reynolds, Lewis T. McLean, Hugh Ross and hundreds of others.

Don't cling to the exploded theory that "nothing will cure," but join the army of money-making poultry raisers, who, after demonstration, are marching to success with the Oculum banner waving in the breezes.

Join now. For sale in two sizes, \$1.00 and 50c. by all progressive dealers and druggists. If yours does not handle it, send us his name and address. On receipt of price, Oculum will be mailed direct to you. Circular with Government diagnosis of Cholera and White Diarrhea free.

Order now and help make poultry a \$2,000,000,000 industry. Sample with dropper, 10c. 7

Hancock Inoculum Company, Inc., Box M, Salem, Va.

of his letter he invites a comparison of records. I have a Barred Plymouth Rock pullet, "Mayflower," hatched in May, 1910, whose record since Jan. 1st, 1911, follows: January, 25 eggs; February, 23 eggs; March, 27 eggs; April, 27 eggs; May, 26 eggs; June, 25 eggs; July, 25 eggs; and 7 eggs in 8 days so far in August, making a total of 185 eggs in 220 days. This pullet has never been broody, and from all appearances is in the very best of condition to continue laying.

By comparing this record with that of Mr. Roberts' pullet, you will note that for six months the two pullets laid the same identical number of eggs, a record which is seldom equaled and rarely excelled."

Frank A. Potts, of Charlotte, N. C., claims the ownership of a White Plymouth Rock hen that is almost unreasonable in her desire to break the record for egg production. Bro. Potts

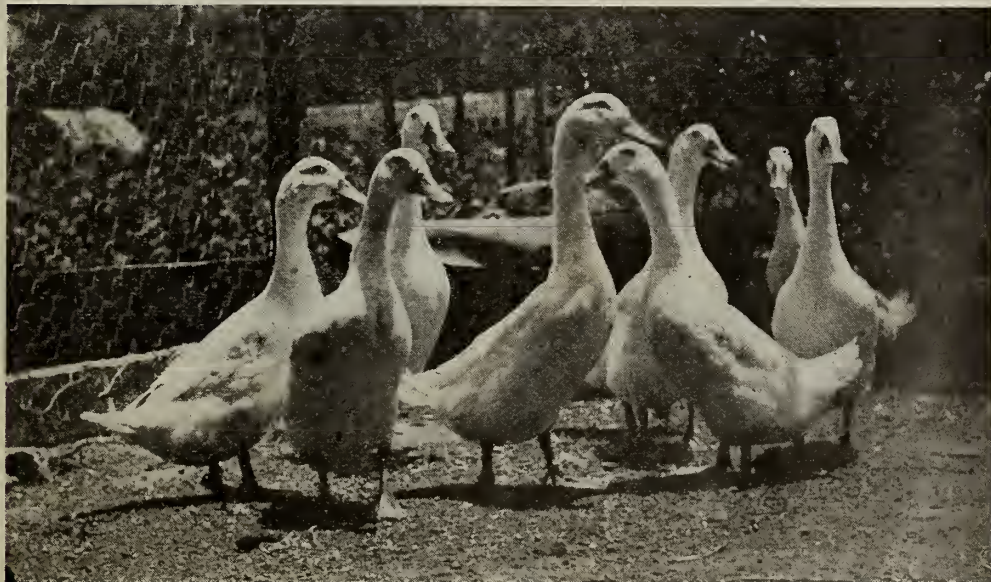
states that this hen began laying Feb. 10, and has laid every day since that time save eight days. She has not missed any two days in succession in that time, having laid 151 eggs in 159 days. Mr. Potts hands out the gauntlet to "the Orpingtons, Reds, or anything else that can equal this record." Accidents barred (not Barred Rocks), this hen bids fair to make a new record, especially for the American class.

It would be a pleasure to hear what the Wilson County, Tenn., bunch is doing this year. J. W. Grigg, Leeman, Hale, McCartney, Vaughan, J. E. Grigg, Harvey Young, H. R. Birchett, Harry Brown, Scott McClain, Leonard McFarland, Dr. Gray, and a host of others almost enough of that enterprising bunch to fill a department, and it's a safe guess that there will be a big show over at Lebanon this winter. Capt. Norman and Joe Seagraves are also among the moving spirits over there, and we believe few

women in the South have won more blue ribbons in the show room than Miss Ella Davis, Miss Ona Waters and Mrs. Jno. M. Grissim. We are told, also, that Ed. Adams, and his brother Fred, the Senator, are both fanciers of fine fowl flesh, showing some symptoms of chicken fever, and may yet become ardent wooers of the blue ribbon and silver cup. Come on in, boys, it's fine, sho' 'nough!

W. W. Russell, of Richmond, Va., writes: "I have a White Leghorn chick with only a right wing. The left side of the chick is perfectly plain without any sign of a wing whatever. The chick was hatched on June 16th and is as hearty as any of the brood. I do not know if this is a rare instance or not, but I never saw or heard of a one-wing chicken before."

Some interesting information regarding the poultry industry in China, is embraced in a letter from the U. S. Consul General in Amoy, China. The Chinese bird is small, of no distinct breed, and generally stunted on account of continued lack of proper care and food. Birds are permitted to run at large in a careless manner. Even under good care, it



TYPE OF WHITE INDIAN RUNNER DUCKS bred and owned by J. C. Patton, Charlotte, North Carolina. Mr. Patton also breeds Fawn Runners. The above photograph includes first prize winners at Indianapolis, Indiana, 1911. The Indian Runner is growing in favor—with its beautiful carriage, it bids fair to become more popular. Breeds true to color and lays a large crystal white egg.

IDEAL ALUMINUM LEG BAND
To Mark Chickens
CHEAPEST AND BEST
12 for 15c; 25—25c; 50—40c; 100—75c.
Sample Band Mailed for 2c Stamp.
Frank Myers Mfr. Box 50, Freeport, Ill.

Carter's World's Fair Strain of Brown Leghorns

500 Regular and Special Premiums, including many Silver Cups. Compare this record with other breeders before placing your order for stock.

**COCKERELS and PULLETS for
Sale October 1st.**

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KNOXVILLE, TENNESSEE
Dept. I. H. 967 Broadway

HOUDAN'S

DR. G. G. BILLMAN

"Worth while." Are you acquainted with MISS HOUDAN? The greatest utility chicken on earth. Send for my catalog today, get posted on them, and you will never regret it. They are coming to the front.
Box H, Evansville, Indiana

Allison's S. C. WHITE LECHORNS

I now have my pens mated up and am prepared to furnish eggs from my prize-winning and bred-to-lay stock. I am selling eggs at \$2.50 per setting from a pen in which every bird is a prize winner. Others as cheap as \$1.00 per setting. My birds have won at Louisville, Kentucky State Fair and Chicago. Incubator eggs, \$6 and \$10 per 100. I guarantee satisfaction. Write me. THOS. S. ALLISON, 28th and Seven Streets, LOUISVILLE, KY.

Buff Orpingtons, R. I. Reds, Black Minorcas, White Wyandottes, Barred Rocks, B. C. Bantams, White and Brown Leghorns

Highest awards at Jamestown, St. Louis, Memphis, Nashville, Birmingham, Montgomery, Florida, Atlanta, Huntsville and Chattanooga. Eggs, \$2.00 to \$5.00 per 15, from prize winners.

FORBES POULTRY YARDS -:- New Decatur, Ala.

White ORPINGTONS Buff OF QUALITY

Many high-class breeders now for sale at BARGAIN PRICES to make room for the grandest lot of youngsters I ever raised.

DR. J. A. POSEY

Route No. 2.

FRANKFORT, KY.

"Golden Dragon" BUFF COCHINS

ARE STILL ON TOP

At the recent Augusta Show they won the silver cup for the BEST PEN OF ASIATICS For the Second Time. My birds have won some of the most coveted prizes at Madison Square Garden, Indianapolis, Augusta, Asheville, Charlotte and other shows. Season of 1909-10 they won over SEVENTY REGULAR and SPECIAL PRIZES. If you appreciate high-grade stock, it will pay you to write me for prices. They are not low, but are in keeping with the quality of the birds.

C. W. BEST

P. O. Box 101G

Charlotte, N. C.

Assistant Secretary American Buff Cochins Club

Life Member A. P. A.

BALLARD'S BUFF ORPINGTON SALE

THE TIME IS RIPE---DON'T MISS IT

To make room for my one thousand growing, hustling youngsters and to give me quick cash to build more houses, I will sell about half of my choice breeders. Do you need a few good pullets or an extra cockerel? All 1910 hatched. You know the quality. Shipped on approval. Eggs also half price. Your last chance. Get my mating list quick.

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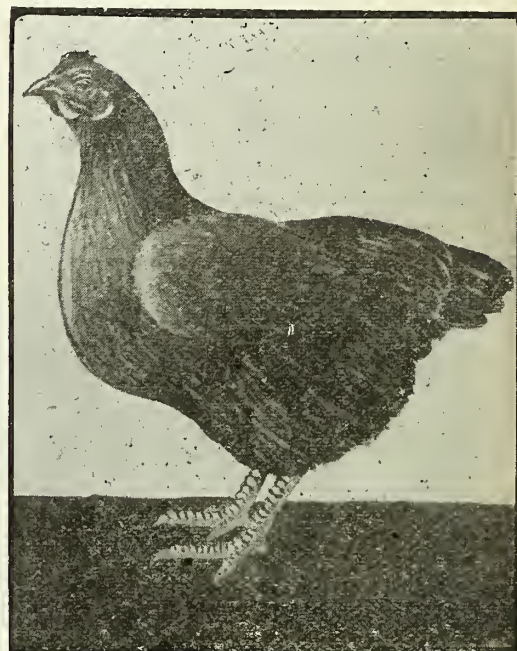
HOPE BROS.

519 Gay Street
KNOXVILLE, TENN.

is claimed, a Chinese bird will seldom attain any size. In spite of these conditions, in 1909 China exported the enormous total of 293,286,400 eggs, representing a total value of \$1,529,687. Of this amount 607,400 eggs were sent to America, including Hawaii, the price paid being \$3,179. In addition to the above, China exported egg albumen and yolk to the value of \$818,828. Look's like the American poulterer would do well to enlarge his vision for broader fields and quit having nightmare about over-production.

Everyone has heard of the black broth of the Spartans over which the fastidious Dionysius made a wry face, says the *London Globe*, and was not convinced when told that it was enjoyable with Spartan sauce, the ingredients of which, in the Syracusan's opinion, could little alter the taste. The housewife would, however, probably be shocked to find the eggs left by the milkman jet black. The black Cayuga duck, a South American bird, frequently lays black eggs. The black coloring does not penetrate the shell, being due to an oily pigment which can be rubbed off. In successive layings the coloring fades and disappears.

It is a matter of no little regret to the poultrymen of Tennessee that the proposed poultry appropriation was eliminated from the general appropriation bill on account of a shortage of funds, due to the liberality of the legislators when personal needs were considered. Mr. Thomas F. Peck, the new Commissioner of Agriculture, is a staunch friend of the poultry industry, and through his co-operation with the fanciers of the State, we expect that much good work will be done during the next two years, when the effort for an appropriation for practical demonstration work will be renewed.



Show Birds for Sale

Eady's S. C. RHODE ISLAND REDS

We can furnish you with some extra fine Reds for the early shows, this Fall. If you need a pen or two, get our price before you buy. Our wings show that we have the quality. For the last three years we have won s x cups, three of them State cups offered by the clubs. We have won 1st pen at Alabama State Fair, Birmingham for the last three years; isn't this good enough? Send us your order for some fine Reds. Eggs now at half price, till November 1st, 1911.

C. W. EADY,

Guntersville, Alabama

The Show Room

By THE EXCHANGE EDITOR

Southern Show Dates

Maryland State Fair, Lutherville, Sept. 5-9.
Tennessee State Fair, Nashville, Sept. 18-23.
Allentown, Pa., Sept. 19-22, 1911.
Appalachian Exposition, Knoxville, Sept. 25-30.
Oklahoma State Fair, Okla. City, Sept. 26-Oct. 7.
Tri-State Fair, Memphis, Sept. 27-Oct. 4.
Missouri State Fair, Sedalia, Sept. 30-Oct. 6.
Cleveland, Tenn., Oct. 3-6, 1911.
Alabama State Fair, Birmingham, Oct. 6-15.
Crockett, Texas, Oct. 5-6.
Arkansas State Fair, Hot Springs, Oct. 9-14.
Georgia State Fair, Macon, Oct. 10-20.
Texas State Fair, Dallas, Oct. 14-19.
Miss.-Ala. Fair, Meridian, Miss., Oct. 16-21.
Montgomery, Ala., Oct. 16-22, 1911.
North Carolina State Fair, Raleigh, Oct. 16-22.
King, N. C., Oct. 17-19, 1911.
Monroe, La., Oct. 24-28.
Mississippi State Fair, Jackson, Oct. 24-Nov. 2.
Mineola, Texas, Oct. 30-31.
South Carolina State Fair, Columbia, Oct. 30-Nov. 3.
Louisiana State Fair, Shreveport, Oct. 31-Nov. 5.
Demopolis, Ala., Oct. 31-Nov. 4, 1911.
Augusta, Ga., Nov. 6-11.
Pensacola, Fla., Nov. 6-11, 1911.
Gulfport, Miss., Nov. 6-11, 1911.
Camden, S. C., Nov. 8-10, 1911.
Cotton Palace, Waco, Texas, Nov. 14-19.
Texarkana, Texas, Nov. 15-17.
Cleburne, Texas, Nov. 21-24.
Morgantown, N. C., Nov. 22-24, 1911.
Pine Bluff, Ark., Nov. 27-Dec. 2.
McKinney, Texas, Dec. 4-6.
Little Rock, Ark., Dec. 4-9.
Tupelo, Miss., Dec. 5-7.
Athens, Ga., Dec. 5-8.
Denton, Texas, Dec. 6-8.
Monroe, La., Dec. 7-9, 1911.
Morristown, Tenn., Dec. 7-9.
Fort Smith, Ark., Dec. 11-16.
East Falls Church, Va., Dec. 12-14.
Comer, Ga., Dec. 12-14.
Hillsboro, Texas, Dec. 12-15.
Asheville, N. C., Dec. 12-15.
Winchester, Ky., Dec. 13-16, 1911.
Sulphur Springs, Texas, Dec. 14-15.
Gatesville, Texas, Dec. 14-16.
Taylor, Texas, Dec. 14-16.
Chicago, Ill., Dec. 14-19.
Hamilton, Texas, Dec. 18-23.
Beaumont, Texas, Dec. 18-23.
Greensboro, N. C., Dec. 19-21, 1911.
Benton, Ark., Dec. 21-23.
Winston-Salem, N. C., Dec. 27-29, 1911.
Seymour, Texas, Dec. 28-30.
Indianapolis, Ind., Jan. 2-7, 1912.
Ashland, Ky., Jan. 8-11, 1912.
Bel Air, Md., Jan. 8-13, 1912.
Atlanta, Ga., (Ga. Poul. Assn.), Jan. 8-13.
Abingdon, Va., Jan. 9-12, 1912.
Boston, Mass., Jan. 9-13, 1912.
Richmond, Va., Jan. 10-13, 1912.
Henrietta, N. C., Jan. 11-13.
Charlotte, N. C., Jan. 16-19, 1912.
Washington, D. C., Jan. 16-19, 1912.
Frostburg, Md., Jan. 16-20, 1912.
Fort Wayne, Ind., Jan. 17-22, 1912.
Louisville, Ky., Jan. 19-25, 1912.

Versailles (Ky.) Show

Through the courtesy of Mr. Jas. V. McFerrin, of Versailles, Ky., we have received a list of the awards of the poultry show held at Versailles, in connection with the Woodford County Fair. Several of our readers and advertisers were prominent in the awards, which were as follows:

Barred Rocks—O. G. Klosse, Georgetown, 1st cockerel, 1st and 2d cock, 2d pullet; D. W. Hart, Pisgah, 2d cockerel, 1st and 2d hen, 2d pullet. **Buff Rocks**—H. D. Burton, Nicholasville, 1st cock, 1st hen; L. E. Gooch, Versailles, 2d hen, 2d cock. **Buff Wyandottes**—Layton Hill, Versailles, 1st cock, 1st hen; C. A. Gaines, Versailles, 2d cock, 2d hen, 1st pullet, 1st cockerel. **Light Brahmas**—Harris Lehman, Midway, all awards. **White Rocks**—R. L. James, Lexington, 1st cock, 1st hen, 1st cockerel, 1st and 2d pullet; M. V. Offut, Georgetown, 2d cockerel. **S. C. Brown Leghorns**—Bounycastle Poultry Yards, Louisville, 1st cock, 1st and 2 hen, 1st cockerel, 1st pul-

A HINT TO FARMERS

An Ancona Cockerel mated to the farm flock will do a great deal toward increasing the egg yield as they represent the best blood in egg production. We have one hundred young cockerels that we are going to sell to thrifty farmers, who want to improve their farm flocks, by the introduction of new blood. They are priced at \$2.00 each, and we guarantee satisfaction. Send for our mating list.

DISMUKES & ARRINGTON :::: Castalian Springs, Tenn.

EGGS FOR SALE

From prize birds, full blooded stock; none better. **BARRED PLYMOUTH ROCKS and SINGLE COMB WHITE LEGHORNS, 15 Eggs for \$1; \$6 per hundred. STOCK FOR SALE.** Orders filled at once.

E. LEE : : Cortez, Florida.

S.C. WHITE LEGHORNS

D. W. YOUNG STRAIN

To make room for young stock, I will sell 75 yearling hens, 15 cocks, 100 March and April hatched cockerels. Here is a chance to secure some first-class breeders. 50 young, strong, healthy **Ferrets** (Rough on rats.) Both colors and sexes.

S. F. SHALLCROSS : Box 12, Odessa, Del.

WHITE ORPINGTONS

Foundation stock from Lawrence Jackson's line-bred strain which has produced so many winners at the big shows.

HARRY CALLICOTT : : Coldwater, Mississippi

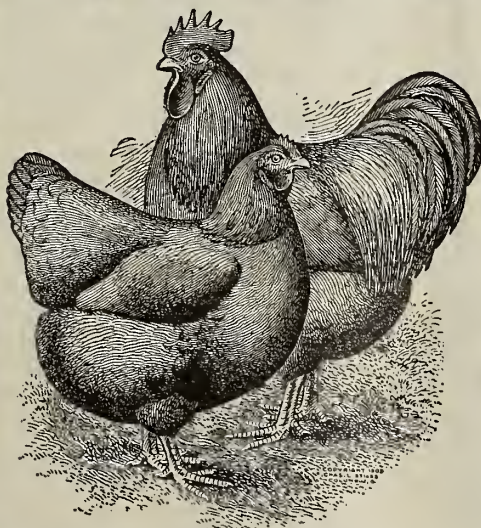
MONROE, LOUISIANA, Big Poultry Show

DECEMBER 7-8-9, 1911

F. J. MARSHALL, College Park, Ga., Judge. Big Premiums, and Fanciers' Show. No hucksters. Our dates follow Pine Bluff and precede New Orleans. Write for premium list. Out Oct. 1st.

E. S. EBY, Secretary, : : Monroe, Louisiana

LAYERS and PAYERS



Royal Orpingtons

WHITE—BUFF—BLACK

Eggs for hatching

\$5^{Per}₁₃ \$9^{Per}₂₆

SHOW STOCK

\$3.00 to \$500 per head.

Eggs for hatching from \$3.000 pen of Royal Columbian Plymouth Rocks \$3.00 each. Stock and eggs shipped to any part of the world. Let us know your wants.

WOODWORTH FARM, WILTON, CONN.

Eggs for hatching from utility stock one-half of above prices.

A WONDERFUL INVENTION

CLARK'S DOUBLE ACTION COMBINED CULTIVATOR AND HARROW, can be used to cultivate crops in rows, as a Listing Harrow, and when closed together is a Disk Harrow cutting 4½ feet wide. Drawn by two medium horses. Jointed pole. Perfect centre draft. A labor saver. Send today for **FREE Booklet**.
CUTAWAY HARROW CO., 27 Main St., Higganum, Ct.

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Originated the Light Brahma-
White Wyandotte Cross

**Columbian
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If you want the best in this breed, you had better see my catalogue before buying. I have furnished winners for shows in nearly every state in the union.

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FARM FENCE

11½ cts. a rod
26 in. high hog fence; 23c for 50-inch heavy poultry fence.
Sold direct to the farmer on 30 DAYS FREE TRIAL.
Special barb wire, 80-rod spool, \$1.55. Catalogue free.
INTERLOCKING FENCE CO.
BOX 36 MORTON, ILLINOIS.

**LAMBERT'S
DEATH TO LICE**

insures clean fowls—large profits. Absolutely safe, sure and quick in results. If not at your dealer's, send 10 cents for sample of powder for hens, or of ointment for head lice on little chicks. Valuable booklet, "Eggs and How To Get Them" for 2c stamp.
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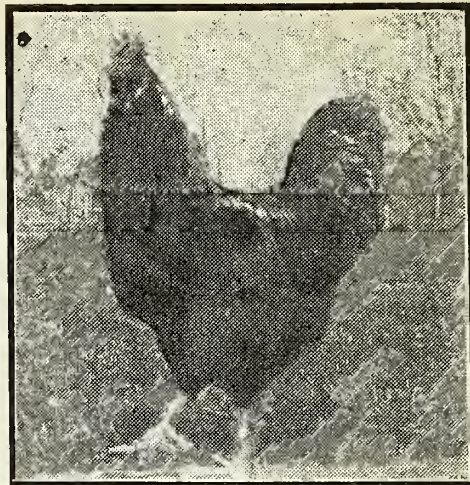
let; L. E. Gooch, Versailles, 2d cock; S. V. Jacobs, Nicholasville, 2d cockerel. *White Orpingtons*—R. M. Sparks, Nicholasville, all awards. *Buff Orpingtons*—H. L. Bush, Lexington, 1st cock; T. H. Dean, Versailles, 2d cock. M. V. Offutt, Georgetown, 1st hen; B. C. Harp, Lexington, 2d hen, 2d cockerel, 2d pullet; H. L. Thomas, Georgetown, 1st cockerel, 1st pullet. *Black Langshans*—M. V. Offutt, Georgetown, all awards. *S. C. White Leghorns*—Satisfaction Poultry Yards, Lexington, 1st cock, 1st hen, 1st cockerel, 1st pullet; H. L. Thomas, Georgetown, 2d cock; O. G. Kloss, Georgetown, 2d hen, 2d pullet; Mrs. R. Berryman, Versailles, 2d cockerel. *S. C. Black Minorcas*—L. V. Jacobs, Nicholasville, 1st cock, 1st hen; Advance Poultry Farm, Lexington, 2d cock, 2d hen. *Pit Games*—Advance Poultry Yards, Lexington, all awards. *S. C. R. I. Reds*—F. H. Gordon, Lexington, 1st cock; Harris Lehman, Midway, 2d cock, 1st hen; Fred Carroll, Versailles, 2d hen. *Black Orpingtons*—H. S. Bush, Lexington, all awards. *Golden Wyandottes*—R. Herndon, Georgetown, all awards.

The Bantams, Ducks and Pigeons were of a very high quality, and was one of the most pleasing attractions of the show.

Georgetown (Ky.) Show

Following we give a list of the awards of the poultry show held in connection with the Scott County Fair, recently held at Georgetown, Ky. The birds shown were of exceptional high quality. The awards follow:

Light Brahmas—Harris Lehman, Midway, all awards, except 2d cockerel, won by Ricketts Poultry Farm, Coshocton, O. *Black Langshans*—Ricketts Poul. Farm Coshocton, O., 1st cock; W. S. Kelly, Georgetown, 2d and 3d cock, 3d hen; M. Viley Offut, Georgetown, 1st hen, 2d cockerel, 2d and 3d pullet; W. O. Cochran, Georgetown, 2d hen; B. Thomas, Georgetown, 1st cockerel; Mrs. E. S. Jack, Lexington, 1st pullet. *Barred Rocks*—O. G. Kloss, Georgetown, 1st cock, 1st pullet; D. W. Hart, Pisgah, 1st and 2d hen, 3d pullet; Ricketts Poultry Farm, Coshocton, O., 1st Cockerel, H. D. Burton, Nicholasville, 2d and 3d cockerel. *Buff Rocks*—Charles Wilson, Nicholasville, 1st hen; H. D. Burton, Nicholasville, 2d hen, 1st and 3d pullet; Ricketts Poultry Farm, 3d hen, 2d pullet. *White Rocks*—Ricketts Poultry Farm 1st cock; Mrs. E. S. Jack, Lexington 2d cock, 2d and 3d hen, 1st cockerel, 1st pullet; R. L. James, Lexington, 3d cock 1st hen, 2d and 3d cockerel, 2d and 3d pullet. *Golden Wyandottes*—Rhodes F. Herndon, Georgetown, 1st and 3d cock 1st and 2d hen, 2d and 3d pullet; Ricketts Poultry Farm, 2d cock, 3d hen, 1st cockerel. *White Wyandottes*—T. C. Willis, Nicholasville 1st and 3d cock 1st and 2d hen, 3d cockerel; H. S. Thomas, Georgetown, 2d cock, 1st cockerel 1st pullet; W. W. Early, Lexington, 3d hen, 2d and 3d pullet. *Buff Wyandottes*—Andrew Johnson, Nicholasville, 1st and 2d cock, 1st and 3d hen, 2d and 3d cockerel; Ricketts Poultry Farm, 3d cock, 2d hen, 1st cockerel, 3d pullet; Harris Lehman, Midway, 1st and 2d pullet. *Partridge Wyandottes*—Harris Lehman, 1st and 2d cock, 1st and 2d hen, 2d and 3d cockerel, 1st and 2d pullet; Ricketts Poultry Farm, 3d cock, 3d hen, 1st cockerel, 3d pullet. *S. C. R. I. Reds*—Harris Lehman, Midway, 1st and



S. C. RHODE ISLAND RED COCK
Second at Madison Square, 1910. Owned by A. J. Stansbery, Newport, Tennessee

2d cock, 1st and 2d hen, 1st, 2d and 3d cockerel, 1st, 2d and 3d pullet; Ricketts Poultry Farm, 3d cock, 3d hen. *S. C. Brown Leghorns*—Roger V. Harp, Lexington, 1st cock; G. Hunter Matthews, Donerail, 2d cock, 2d and 3d hen, 3d cockerel; Ricketts Poultry Farm, 3d cock, 1st hen, 3d pullet; Charles Wilson, Nicholasville, 1st and 2d cockerel, 1st and 2d pullet. *R. C. Brown Leghorns*—J. H. Jennings, Nicholasville, 1st and 2d cock, 1st and 2d hen, 2d cockerel, 1st pullet; Ricketts Poultry Farm, 1st cockerel, 2d and 3d pullet. *S. C. White Leghorns*—Satisfaction Poultry Farm, Lexington, 1st cock, 1st pullet; W. W. White, Nicholasville, 2d cock, 1st and 2d hen; O. G. Kloss, Georgetown, 3d hen, 2d pullet; Simpson & Wilson, Georgetown, 3d cock. *S. C. Buff Leghorns*—Charles Wilson, Nicholasville, 1st cock, 1st and 2d cockerel; Jas. S. Southers, Lexington, 2d and 3d cock, 1st hen, 1st pullet. *Minorcas*—Ricketts Poultry Farm, 1st cock, 1st hen; Advance Poultry Yard, Lexington, 2d hen, 1st and 2d cockerel, 1st and 2d pullet; L. V. Jacobs, Nicholasville, 2d cock. *Blue Andalusians*—Advance Poultry Yards, Lexington, all awards. *Buff Orpingtons*—H. S. Thomas, Georgetown, 1st cock, 1st and 2d hen, 1st 2d and 3d cockerel, 1st, 2d and 3d pullet; Henry S. Bush, Lexington, 2d and 3d cock; Roger V. Harp, Lexington, 3d

Mrs. Miller's Barred Rocks

Blue Ribbon Winners. Ten years experience in breeding this strain. The best for utility; lays the year around; the fowl for farmer and fancier alike. Don't wait until late in the season; order now and get the choice birds.

C. E. Spaugh, Ruby, Ind., Strain.

MRS. W. P. MILLER, Route 3, Dalton, Ga.

**BROWN
Leghorns**

Try Henderson's "Brown Beauties," then you'll know that there are none better.

Some mighty good breeders selling cheap this month. Order today.

J. H. HENDERSON, Knoxville, Tenn.
Breeder of Brown Leghorns Since 1890

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For Poultry and Garden Use

Among the 145 styles and sizes of "Pittsburgh Perfect" Fence shown in our new catalogue, the fence user can now obtain fencing *perfectly suited* to his *particular* requirements. "Pittsburgh Perfect" is the most adaptable, portable, durable and resultful of all wire fences, and gives absolute satisfaction because, coupled with our ripened manufacturing experience, it is the culmination of close and exhaustive study and investigation of farmers' needs along lines of up-to-date poultry and agricultural methods and equipment.

Open Hearth Wire, like old time iron wire, is used exclusively in "Pittsburgh Perfect" Fence, and is galvanized with a thorough and even coating of pure zinc, which resists rust for the longest time. All line and stay wires are **ELECTRICALLY WELDED** at every contact point, producing a perfect amalgamation of metals, and doubling the strength of the fence at the joints. This feature is found only in "Pittsburgh Perfect" Fence, and makes it unequalled for toughness, strength and economy in weight and price.

EVERY ROD GUARANTEED PERFECT. OUR NEW CATALOGUE contains valuable information about wire fencing, and illustrates styles and sizes adapted to every FIELD, FARM, RANCH, LAWN and POULTRY purpose. Write for *now*, and then look up the best dealer in your town—he handles "Pittsburgh Perfect" Fence exclusively.

PITTSBURGH STEEL CO., PITTSBURGH, PA.

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hen. *Black Orpingtons*—Henry S. Bush, Lexington, 1st and 2d cock, 1st and 2d hen; H. S. Thomas, Georgetown, 1st and 2d cockerel, 1st and 2d pullet. *White Orpingtons*—Hugh B. Thomas, Georgetown, 1st cock, 1st hen; Mrs. A. C. Taylor, Georgetown, 2d cock, 2d hen, 1st cockerel, 1st and 2d pullet; James Gwynne, Georgetown, 2d cockerel. *Buff Cochins*—Ricketts Poultry Farm, 1st cock, 1st hen, 3d cockerel; Advance Poultry Farm, Lexington, 3d cock, 3d hen; Dr. Wolfe, Georgetown, 1st and 2d cockerel, 1st and 2d pullet. *Best Cockerel and Pullet*—O. G. Klosse, Georgetown, was awarded the first premium for the best cockerel in the show, the ribbon being tied to a Barred Plymouth Rock. Hugh S. Thomas, Georgetown, received the award for the best pullet, on a Buff Orpington. Ricketts Poultry Farm won the ribbon for the best pair of Bantams.

Mt. Sterling (Ky.) Show

The awards of the poultry show recently held at Mt. Sterling, Ky., have been announced. Among the exhibitors prominent in the winnings are W. W. Early, of Lexington; Bonnie Castle Poultry Yards, of Louisville; R. H. Ford, of Winchester; Miss Mary G. Jones, of North Middletown; Turley & Scobee, Clarence White and Mrs. J. M. Hutsell, of Mt. Sterling. The awards follow:

Barred Rocks—Mrs. J. W. Cravens, all awards. *Silver Wyandottes*—Miss Mary Graham Jones, North Middletown, all awards. *White Wyandottes*—W. W. Early, Lexington, 1st cock, 1st hen; Miss Mary Graham Jones, North

Middletown, 1st cockerel, 1st and 2d pullet; L. M. Nash, 2d cockerel. *S. C. Brown Leghorns*—Bonnie Castle Poultry Yards, Louisville, all awards. *S. C. White Leghorns*—Turley & Scobee, all awards. *Black Minorcas*—Bonnie Castle Poultry Yards, Louisville, all awards. *Buff Orpingtons*—Mrs. W. N. Scobee, all awards. *White Orpingtons*—Mrs. Emma Wilson, all awards. *S. C. R. I. Reds*—R. H. Ford, Winchester, 1st cock, 1st hen, 1st cockerel, 1st pullet; Mrs. Ben Wilson, Bethel, 1st pen. *R. C. R. I. Reds*—Charles Peggs, all awards. *Games*—Clarence White, 1st cock, 2d cockerel, 1st and 2d pullet, 1st pen; Bright Cockerel, 2d cock, 1st cockerel. *Indian Runner Ducks*—Mrs. J. M. Hutsell, 1st old duck, 1st young duck, 1st old drake, 1st young drake; Mrs. W. N. Scobee, 2d young duck, 2d young drake.

The thirty-sixth annual convention of the American Poultry Association has passed into history.

The poultrymen of Salisbury, N. C., will put on a show this season. Dates to be announced later.

The eighth annual show of the South Jersey Poultry and Pigeon Association will be held at Bridgeton, N. J., Nov. 29-Dec. 2, 1911.

The Coweta County Poultry Association will hold their annual show at Newnan, Ga., Nov. 22-24, 1911. E. F. Sim, secretary.

The Trousdale County Poultry Association will hold its first annual show

S. C. W. LEGHORNS

200 Pullets and Cockerels **MUST BE SOLD.** Price less than one-half value. Bred for laying for 35 years. Prize-winners and big layers. None better anywhere at any price. Write us. **Specifications for Dry Feed Hopper, 25c.** Pronounced by poultrymen and poultry shows the best hopper made.

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First class stock or eggs at reasonable prices. Send for mating list.

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Poultry Specialties

S. C. White Leghorns, Crystal White Orpingtons, Kellerstrass Strain Indian Runner Ducks.

Show and Utility Stock for Sale.
Write us for prices.

NEW ORLEANS, LA., SHOW

Nov. 29 to Dec. 4, 1911

STOCK FOR SALE

S. C. Anconas \$1.50 each; B. P. Rocks, \$1.00 to \$1.50; S. C. White Leghorns (Holston strain) \$1.00 to \$2.00; Indian Runner Ducks (laying stock) \$1.25 each.
RIVERVIEW POULTRY FARM, W. F. Bayless, Prop. Morristown, Tenn.



Rhodes' White Indian Runner Ducks

A large lot of fine breeders for sale. Originator of the Rhodes Strain. Fawn and White Runners; a fine lot of standard bred breeding and exhibition birds.

MRS. A. N. RHODES, New Castle, Ind.

at Hartsville, Tenn., Dec. 6-8, 1911, with Judge E. G. Teaney, of Jacksonville, Ill., placing the ribbons. Write S. R. Tinsley, secretary, Hartsville, Tenn., for full particulars.

The North Texas Poultry Association will hold its next show at Greenville, Nov. 29-Dec. 2, 1911. J. C. Skaggs, of Farmersville, Tex., will judge.

It is understood that Judge J. G. Teaney, of Jacksonville, Ill., will judge the Lebanon (Tenn.) show, which is to be held some time in December.

Judge J. C. Clipp, of THE INDUSTRIOUS HEN staff, will judge the following shows this season: Dodge City, Kan., Spokane, Wash., Harrisburg, Ill., Norwalk, Ohio, Portland, Ind., and others.

The poultry department of the Central Fair and Live Stock Association is making great progress for its show, to be held at Grenada, Miss., Oct. 17-20. For any information, address J. M. Brown, chairman, Grenada, Miss.

The Huntington (W. Va.) show will be held Jan. 1-5, 1912. The officers of the association are, Dr. A. K. Kessler, president; G. M. Mossman, secretary; William J. Howell, show superintendent; C. P. Sanborn, show secretary.

The next annual meeting of the Rhode Island Red Club will be held with the Boston show, Jan. 7-12, 1911. The Southern members of the club will hold their meeting at the Appalachian Exposition show, Sept. 25-30.

The annual show of the Little Rock Poultry Association will be held at Little Rock, Ark., Dec. 4-9. Judges F. J. Marshall and C. A. Emry. All information can be secured from the secretary, James V. Johnson, at Little Rock, Ark.

The Baylor County Poultry Association has been organized at Seymour, Texas. Judge D. L. Kenan, president; Thos. W. George, vice-president; Simon Shelley, secretary. Their show will be held Dec. 28-30, and Oscar Pogue will be the judge.

The premium list of the poultry department of the Warren County Fair Association, Bowling Green, Ky., has been received. The show will be held Oct. 4-7, 1911, and nearly \$400 for premiums in the poultry department alone will be offered.

The Spartanburg (S. C.) Poultry and Pet Stock Association, at a recent meeting elected officers for the coming year and set a date for their next show—Dec. 5-8, 1911. H. P. Schawb, of Irondequoit, N. Y., will judge. F. B. Lemmond, secretary, Spartanburg, S. C.

When the Catawba Street Fair is held next November at Hickory, N. C., the Catawba County Poultry Association will hold a poultry show in connection with the fair and has set its head on exhibiting not less than 1,000 birds. When it comes to putting on a good show, this association can always be depended upon.

A State branch of the American Poultry Association has been organized in South Carolina, with the following temporary officers: T. L. Little, Camden, president; Theo. E. F. Holzhauser, Col-

1500—Wilber's Bred-To-Lay—1500

S. C. W. LEGHORNS

20 Years Blue Ribbon Winners in America's Best Shows. Unexcelled as layers—The money makers. Grand Breeding Cocks, Cockerels, Hens, Pullets, \$2, \$3, \$5. Extra fine ones \$10. Birds for any show—QUAL, TY COUNTS. Registered Berkshire Hogs; The Great Meateers. Write your wants. Satisfaction guaranteed. Ca alog for stamp.

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Gabhart's S. C. W. Leghorns

My breeders now for sale, Hens \$1.50 to \$5.00, Two Cocks left \$10 each. Young Stock ready for the fall shows of the best breeding only. Remember these have been line bred for seven years, and I have a show record unequalled at the Appalachian Exposition, Cincinnati, Louisville, Nashville, Lexington and Kentucky State Fair. Start right with the best in the south. Every bird guaranteed.

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Now is the time to arrange for your

SHOW BIRDS

Write me, stating show you wish to make and about price birds desired.

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\$4.50 to \$5 for Trios; \$7 to \$8.50 for Pens.

ORPINGTONS and Less	Trios	\$5 to \$8
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INDIAN RUNNER DUCKS

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FAWN AND WHITE PENCILED—Young stock ready for fall laying, \$3 for Trio; \$4.50 for Pen. Year old stock \$4.50 for Trio; \$7 for Pen.

FAWN AND WHITE—Young stock \$4.50 for Trio; \$7 for Pen.

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TERMS—Cash with order. Stock well cooped. We guarantee delivery.

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umbia, first vice-president; Benj. McInnes, Charleston, second vice-president; Frank J. Story, North Augusta, secretary-treasurer; Dr. F. D. Kendall, Columbia, election commissioner. Executive Board—J. D. Sinclair, Camden; Paul E. Trouche, Charleston; Dr. S. T. Lea, Holly Hill.

The poultry show of the Bradley County Fair will be held at Cleveland, Tenn., Oct. 3-6, 1911—to follow immediately after the Appalachian Exposition poultry show, so that birds entered at the Appalachian show can be forwarded direct to Cleveland. Write A. J. Lawson, secretary, Cleveland, Tenn., for full particulars.

For the mutual benefit and for the improvement generally of the industry, the organization of a poultry club for Waycross and Ware County (Ga.), has been proposed by the board of trade of Waycross, and as we go press, we learn that a meeting has been held by the poultrymen of that section for the purpose of organizing.

The Chattanooga Poultry Association is urging the school authorities to establish a poultry raising station in connection with the agricultural department of the county schools, and as a starter proposes to donate a trio of every breed of poultry raised by the members of the association. Superintendent Brown of the Public Schools has the matter under advisement. The next annual show by the Poultry Association has been fixed for Dec. 11.

At a meeting held recently at the Fairfax Hotel, in Norfolk, Va., with over fifty poultry raisers present, the Tidewater Poultry Association was organized. Not only Norfolk poultrymen were present, but there was a large delegation from Portsmouth and from other points in that section, and the enthusiasm manifested at the meeting surprised everyone who attended. The following officers were chosen: Dr. C. R. MacKimmie, of Norfolk, president; C. A. Reeves, Portsmouth, vice-president; A. E. D. Holden, Norfolk, secretary; J. G. Sawyer, Norfolk, treasurer. The first annual show will probably be held in connection with the show to be held by the Norfolk-Portsmouth Kennel Club some time this winter, however, this has not been definitely decided upon.

President S. B. Street, Jr., of the North Mississippi Poultry Association, has just written us as follows:

"As a news item of general interest, I wish to advise you that the Mississippi Branch of the American Poultry Association has just been organized with a membership of thirty-three. The temporary officers elected are W. F. Kirkpatrick, Agricultural College, president; Harry Callicott, Coldwater, vice-president; N. L. Hutchinson, Crystal Springs, secretary-treasurer. The first annual meeting of the Mississippi Branch was voted to be held with the North Mississippi Poultry Association show at Tupelo, on Dec. 5-7.

"The show of the North Mississippi Poultry Association at Tupelo, will, indeed, prove one of the star events of the Southern poultry world this year. The catalogue, now in the hands of the printer, will, aside from being very elaborate, contain a list of regular and special premiums, silver cups, specialty

Poultry Profits Doubled

CAPON bring the largest profits—100% more than other poultry. Caponizing is easy and soon learned. Capons sell for 30c. a pound, while ordinary poultry brings only 15c. a pound. Progressive poultrymen know these things and use

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The Magic Egg Tester will show the infertile eggs BEFORE incubation. Price \$2.00 each. Buy of your dealer or of us. Fully Guaranteed. By mail on receipt of price, or write first for circular and facts.

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Eggs from prize-winning pens \$1.00 per 15. Hens from my breeding pens for sale \$1.25 to \$1.50 each. This offer includes birds that have won at numerous Virginia 1911 shows. H. C. ADAMS, Lynchburg, Va.

THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.

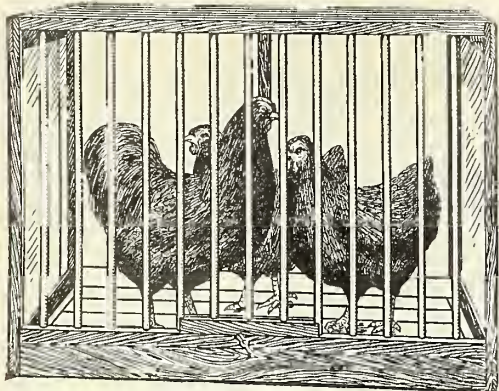
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True Fawn and White Strain. Egg half price. A limited number of choice breeders for sale to make room for young stock.

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Gem Coops are used by such representative associations as Chicago, St. Louis, Indianapolis, Cincinnati and many others. Gem Coops are solidly built throughout, have half-inch round wooden rod front, two-inch mesh wire top; back and partitions covered with strong white muslin. Partitions can be instantly removed for pens.

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BUFF PLYMOUTH ROCKS

Cockerels and pullets bred from our Louisville, Ky., winners. Single birds, pairs, trios or pens in any number. Birds good enough for show or breeding pen. Quality backed by years of skillful mating. New standard, fawn and white

Indian Runner Duck Eggs

Greatest laying fowl the world has ever produced.

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LaFollett's Weekly MAGAZINE and **The Industrious Hen**, both one year, and a copy of "Hen and Chicks" for \$1.25. Send orders to **THE INDUSTRIOUS HEN**, Knoxville, Tenn.

club ribbons, etc., that will make it well worth the while of every exhibitor to investigate, and no breeder of reputation can afford to miss placing an entry at this show. A post card request to the secretary, W. F. Jordan, Tupelo, Miss., will bring a copy of the premium list.

"Judge Chas. I. Fishel, of Indiana, has been secured to place the awards, and the show will be conducted by gentlemen, for gentlemen, on the highest plane of a square deal for everybody, with the motto of "Strive to produce the best and let the fittest win." A cordial invitation is extended every reliable breeder to send his birds and come himself and join us these three days in the pulling off of one of the biggest events of the year. A warm welcome and a rousing good time awaits you, besides profitable instruction in the way of lectures, etc."

Those who know, claim, and it is generally admitted, that no state in the country is making more rapid progress in poultry raising, for both pleasure and profit, than Arkansas. The climate and soil seem to combine to make it a success, and the annual show given at Little Rock is attended by more people than attend many of the county fairs in this and other states. While the membership of the Little Rock Poultry Association is not large, the character of the members is such that they are scoring a great success.—*Arkansas Democrat*.

In August the Carolina Duck Club was organized in Charlotte, with an initial membership of seventeen. The officers chosen were Thomas Roland, Statesville, president; O. T. Hallman, Charlotte, vice-president; Flynn Elliott, Charlotte, secretary and treasurer. The prime objects of this association, which is something altogether new, is to stimulate interest, not only among city folk, but among farmers particularly in this important branch of the poultry industry. It is also purposed to hold an annual show, some time during the months of December or January in Charlotte. Prominent duck fanciers from all parts of the country will be urged to exhibit ducks at this show. Cash prizes and trophies, worthy of stiff competition, will be offered, and expert duck judges will be employed. Meetings will be held at frequent intervals, and it is hoped to organize duck clubs in the various townships of the counties, which shall be branches of the association.

A History of Oculum

Five years ago, a Virginia poultryman, realizing the great and growing value of the poultry industry of this country and the tremendous losses annually from germ diseases, determined to find the cause of this great mortality, and if possible also find a cure. He soon found by many experiments that the cause of Cholera, Roup and White Diarrhoea in Chickens, Black-head in turkeys, Goings-light in pigeons and Leg-weakness in ducks was a germ which destroyed the membranal lining of the ceca or blind intestinal pouches of the fowl. It was afterwards found that his diagnosis of these diseases was exactly in accordance with the diagnosis made by the United States Agricultural Department and the Storrs Experimental Station of Connecticut. He then found in "Oculum" a germicide that would cure by in-

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by thousands of satisfied customers. During all of this season I have been selling

THE NEW BUFFALO

incubator at just about 1-2 the price that any machine of anything like the quality has ever before been sold for. If you did not get yours you are money out of pocket unless you write at once for particulars.

Send today for prices and full information. Address

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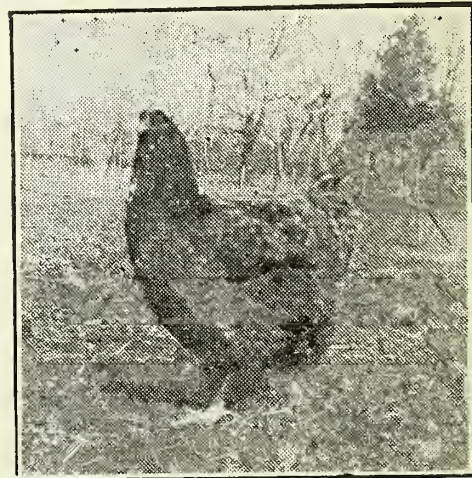


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oculation per the rectum, the most virulent types of these dread diseases. He spent three years demonstrating "Oculum" locally until he proved its merit beyond all question to those fortunate enough to observe his experiments.

During the summer of 1909 he demonstrated "Oculum" for 50 days on a large poultry plant of M. G. McClung, of Salem, Va. Mr. McClung had lost 3,800 little chicks during April and May out of a total of 4,200. "Oculum" stood the test and the plant was freed from disease and the next year, 1910, 2,000 chicks were hatched from inoculated hens. They were hatched in the same incubators, brooded in the same brooders, and run on the same infected land, and loss from these diseases was less than 5 per cent. After this most thorough and successful demonstration, Mr. McClung organized a \$50,000 corporation. All the stock was locally subscribed. Representatives were sent to the leading poultry plants of the country to demonstrate "Oculum" and in not one instance did it fail in its mission. It was demonstrated for weeks and months on the plants of A. C. Hawkins, U. R. Fishel, C. H. Latham, Foxhurst Farm, William Ellery Bright, Bradley Bros., and others, and it now has their unqualified endorsement, by testimonials, the like of which has never before been given by these prominent breeders to any poultry remedy. "Oculum" next sought as its advertisers Lord & Thomas, one of the leading advertising houses of the country, and after a demonstration of its merits to their satisfaction, this great advertising agency undertook to advertise "Oculum" to the world.

The first share of stock in the original Company was sold May 20, 1910. So rapid was the progress of the Company that an increased capital stock was found necessary, so on May 20, 1911,



S. C. RHODE ISLAND RED HEN
First prize winner at Boston, 1910. Owned by A. J. Stansbery, Newport, Tennessee

just one short year to the day, a reorganization took place on a \$500,000.00 basis. Mr. M. G. McClung, one of the leading attorneys of the bar of Salem, Va., was made president. Dr. W. T. Younger, president of the Salem Loan & Trust Company Bank, of Salem, was made vice-president, and Mr. Tom L. West, a large orchardist and successful mining engineer and business man, was made business manager.

The Company purchased a handsome plant, with two acres' floor space, in Salem, Va., formerly the Sales Wagon Co. plant, that cost to erect \$40,000, and now is established in its new home. The business of the Company has grown by leaps and bounds, the increase for July over June, 1911, being 50 per cent.

"Oculum" wherever it has been introduced in this great nation has electrified the people, and the testimonials and orders are coming to the Company from all parts of the country. The rise of "Oculum" is phenomenal. The need for it has been most seriously felt by the poultry world for many years.

Its advertisements can be found in the leading poultry journals of the country, any of which will speak a good word for "Oculum" at any time. "Oculum" will be to the poultry world what vaccine virus has been to mankind, and before many years it will double the poultry industry of this vast nation which now totals \$1,000,000,000.00.

It is manufactured in two sizes, \$1.00 and 50c. Sample 10c, fully guaranteed to every consumer. Write The Hancock Inoculum Co., Salem, Va., for a bottle.

Ducks and Geese

Domesticated Mallard Ducks

It has been a wonder to the writer that while several breeds of ducks have attracted more or less attention from time to time, that more knowledge of the domesticated Wild Mallard has not been disseminated. Although of direct lineal descent from the wild species, they have become thoroughly domesticated and seem more docile than any duck. Identical in plumage with the wild duck and able to hold their own in flight with the wilder birds their domestication has increased their size to about that of the Indian Runner, and in their domesticated state are said to lay more eggs than any other breed of ducks.

Their flesh is of a very superior gamey flavor, and the young are the easiest of all ducklings to rear. Sportsmen use these ducks frequently as decoys. The writer hopes to see this useful and most beautifully plumaged breed of ducks more widely distributed.—E. G. WARDIN, Charlotte, N. C.

A Handy Kind of Duck

A farmer in southern Illinois claims to have educated his big flock of ducks to eat potato bugs and is charging his neighbors \$1.00 per day for their use in this line. He tried them first on his own potato patch. The ducks went through them like scandal through a small town. He then shut up his ducks until they got good and hungry and then turned them loose on his neighbors' potato fields with equally good results.

Barred Plymouth Rocks

THE BEST. (Cockerel Mating)

CLARENCE YOUNG : : Sweetwater, Tenn.



ROYAL STRAIN

BARRED ROCKS

Have won for us in the past two years at the following shows and they will win for you. 2d cockerel, 2d and 3d hen, 4th pullet, 2d pen, Greenville, S. C., 1909; 4th cockerel, Spartanburg, S. C., 1909; 1st pullet, Charlotte, N. C., 1909; 3d cockerel, 1st hen, Atlanta, Ga., 1910; 1st cock, Augusta, Ga., 1910; 4th cock, 2d and 5th hen, Charlotte, N. C., 1910. **EGGS**—\$3.00 per setting of 15; two setting for \$5.00. Incubator eggs, \$1.50 per 15; \$8.50 per 100.

DES-RENA POULTRY YARDS

GREENVILLE, S. C.

Arkansas State Fair Ass'n Poultry Show

Hot Springs, Ark., Oct. 9-14, 1911

Member American Poultry Association.

New Poultry Building---Exhibition Coops

Liberal Premiums. A. P. A. Rules. Visitors from all parts of the world.

NO HUCKSTERS---A SQUARE DEAL

C. A. EMRY, Judge.

GEO. A. ASHLEY, Superintendent.

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THE SECRET of the high endorsement and miraculous cures of SIXEAS CHOLERA AND ROUP COMPOUND is that it is the accumulation of the world's knowledge of poultry diseases and remedies based on our wide poultry experience. It is a scientific germ-killer, put up in tablet form, easily and quickly dropped in the drinking water and feed, and is a sure cure for cholera, white diarrhoea, roup and kindred ills, and is the only known preventive and cure for the deadly disease, black head in turkeys. If your poultry is sick, not laying or thriving, write me their troubles today and we will send their cure tomorrow. Those who follow our advice do not lose 2 per cent of their poultry. We sell our Cholera and Roup Compound with advice at 50 cents by mail, our famous Lice Killer at 25c by mail; Egg Producer Powder at 25 cents by mail. Reliable agents wanted. GEORGE SIXEAS, New Castle, Va.

White, Black and Buff Orpingtons and S. C. Rhode Island Reds

During 1910 at three shows, Waco, Palestine and Brownwood, I won 44 premiums, including two medals, four specials, and 14 first premiums. A thousand for sale. Anything from a good breeder to a real show bird. Prices reasonable.

R. L. THOMPSON, Blanket, Texas

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of Books for Poultrymen



5000 R. I. REDS, ROSE AND SINGLE COMBS

We now have growing on our farms about 5000 Young Rhode Island Reds. If you want show birds we will sell guaranteed winners for shows everywhere. Have you seen the "origin and History of R. I. Reds." If not send 20c in stamps and same will be forwarded you. Address

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North Meridian St.,

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Sept. 26 to Oct. 4

THIRD ANNUAL SHOW
Tri-State Poultry Association

\$200 Best and Largest Display Poultry

Divided \$100.00 First, \$50.00 Second, \$25.00 Third, \$15.00 Fourth,
\$10.00 Fifth. OPEN TO THE WORLD.

\$300 in Special CASH Prizes

Competition limited to Arkansas, Mississippi, Tennessee, Alabama,
Georgia, Kentucky, Louisiana, Texas, Missouri and Oklahoma.
Divided into prizes of \$10.00 for displays of all leading varieties.

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CHAS. McCLAVE, New London, Ohio

REGULAR PRIZES LIBERAL

NUMEROUS CUPS FOR ALL VARIETIES

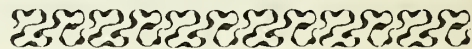
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The best Show in the country for selling and buying.

WRITE

R. B. BUCHANAN, Sec'y
322 South Main St., Memphis, Tenn.

Strictly Personal



An interesting announcement to the breeders of Cook Strain Orpingtons has just been made by Wm. Cook & Sons, Scotch Plains, N. J. A number of fifty dollar cups will be given those exhibiting and winning on Cook Strain Orpingtons, and the shows where these cups will be given have been announced as follows: Appalachian Exposition, Knoxville; Macon, Ga.; International Show, Atlanta; New Orleans, La.; Texas State Fair, Dallas; Charlotte, N. C.; Philadelphia, Pa.; Baltimore, Md.; Boston, Mass., and other shows are yet to be announced. Exhibitors competing for these cups must so state in their entry blanks, and if advertisers, must advertise the Cook strain exclusively. Last year this firm won 142 first prizes and 42 cups, and in all have won over 13,000 first prizes. They are now prepared to furnish stock from their English farm to those who prefer imported stock, or can supply home birds from their many winners.

After an experience covering a period of sixteen years, Mr. Charles G. Pape, of Fort Wayne, Ind., has succeeded in developing the highest type and purest strain of S. C. Black Minorcas, and his new catalogue, "Pleasure and Profit," contains illustrations of splendid examples of his years of faithful labors. The Pape strain of Minorcas is bred for health, utility, strength and beauty, a combination that should produce best results. Mr. Pape has won many firsts and specials in the leading shows, and his catalogue of sixteen pages is full of practical information and advice to lovers of this handsome breed.

Mr. H. H. Wadsworth, of Waynesville, Ohio, writes us as follows:

"On Sept. 1st I will consolidate my poultry interests with the Cleveland Poultry Farms at LaGrange, Ga. The firm name will be Southern Poultry Farms, LaGrange, Ga. I will have a half interest in this new firm, and will become its superintendent. All my high-scoring great egg-producing Minorcas and all the famous White Rocks of Mrs. H. H. Wadsworth will be taken to this farm. We will also take over all the stock of the Wadsworth Poultry Farms, consisting in part of White, Barred and Buff Rocks, White and Brown Leghorns, Buff Orpingtons, Rose and Single Comb R. I. Reds, Indian Runner Ducks and White Holland Turkeys. Will also take over all the stock of the Cleveland Poultry Farms, giving us between 1,500 and 2,000 head of stock. We will keep an extra large number of White Leghorns, S. C. Minorcas and Indian Runner Ducks.



Get the Hens Back on the Job Shelling Out Eggs

We guarantee you will cut the molting period in half if you give your hens

Pratts Poultry Regulator

They will be back at work again laying more eggs than ever. Pratts Poultry Regulator is a Conditioner, Regulator, Egg Producer and prevents disease by keeping the digestive organs working properly, regulating the bowels and purifying the blood.

Satisfaction Guaranteed or Money Back

Our dealers refund your money without question if any Pratt Preparation fails to please you.

25 lb. pails \$2.50. Also in smaller packages and 100 lb. bags. If your dealer cannot supply you, write us.

Pratts Cholera Remedy is guaranteed to prevent and cure this disease. Pratts Lice Killer will positively destroy lice.

We will mail you free copy of our 1911 Poultry Book on request.

PRATT FOOD CO., Dept., 17 Philadelphia, Pa.

Pratts Animal Regulator—admitted grain saver will improve horses, calves, hogs and sheep.

If you want to Rear Blue Ribbon Winners, feed them on

SPRATT'S POULTRY FOOD No. 3

—and—
SPRATT'S CHICGRAIN

"Poultry Culture" sent on receipt of10c
"Pheasant Culture" sent on receipt of25c
Both these books together with "Dog Culture" sent on receipt of35c

SPRATT'S PATENT, Ltd.
Factory and Chief Offices, Newark, N. J.

Depots at San Francisco, Cal.; 't. Louis, Mo.; Cleveland, O.; Boston, Mass.; Res. Supt. at Chicago, Ill. Factories also in London, England, and Berlin, Germany.

Cooper's R. I. REDS

SINGLE COMB

Are always there with the Goods—
Eggs or ribbons.

SAM M. COOPER : Fountain City, Tenn.

OWEN FARMS

Prize-winning White, Buff and Black Orpingtons, White and Barred Plymouth Rocks, S. C. and R. C. Rhode Island Reds, and White Wyandottes,
135 William Street Vineyard Haven, Mass.

Partridge Wyandottes

Send for catalogue and list of winnings at such shows as Baltimore, Pittsburg, etc. Let me tell you why they are the best of all the Wyandottes.

M. N. CECIL

Route 4 : Elm Grove, W. Va.

Poultry Diseases

J. A. THORNHILL, Hartselle, Ala.

Question.—I have yours in regard to the chickens, and I am glad you wrote as you did. What is the objection to Northern stock for the Southern States? Will be glad to be advised, as this is a new point with me.

Answer.—It wasn't the old grudge that dates back into the sixties that prompted my letter in answer to you. My parents were born in Ohio, so you see I should respect the North side of the "Dixie" line. Here is the point: We have here at home stock that is just as good as that you buy in the North. Again, the express charges aren't so high, you are patronizing home folks, and I am told, and know it to be a fact, that you will get better treatment for your money at home from Southern breeders.

Question.—Kindly tell me what will be good to fumigate my poultry house with.

Answer.—Formaldehyde, or sulphur candles, or just plain sulphur, known by druggists as "flowers of sulphur." Set the pan, pot, or whatever is being used in the middle of the house, dampen the litters or earth it is sitting on to prevent the house catching fire. Be sure that all live stock is out of the building. After getting the candle or flowers of sulphur to burning in a good way, leave the building, closing the door tightly behind you. The fumigating destroys disease germs and kills all animal life in the building if it is property and thoroughly done.

Mr. A. W. C., Boise, Idaho—The above answer suits your case also.

Question.—What do you use to rid chicks of head lice?

Answer.—Lard and sulphur. Don't use too much at a time on each chick. Mr. E. G. Wardin, of Charlotte, N. C., recommends in one of his articles going over chicks every four days.

Question.—I am a subscriber to THE INDUSTRIOUS HEN, and I would like to know whether or not chickens should be related or kin to get best results from a mating. (2) Also, how am I to know if chickens are line-bred that are purchased outside of Alabama?

Answer.—There has been much written on line breeding of late years. Space forbids going into details here. Mating father to his daughters and mother to her son is the admonition set forth in all articles read by the writer. Experience teaches that too close inbreeding brings disaster. I believe that line breeding can be best practiced by those who don't understand it, by buying one or more males every two or three years from the person from whom the original stock was obtained. The "Felch chart" is the authority by which I am guided, which is nothing but two separate lines of breeders. (2) Write the person or persons from whom you expect to purchase your stock.

Mr. C. J. M., Rock Springs, Ga.—The above suits your case.

Questions.—Will you help me with a little advice. I am breeding Orpingtons. I had great success with early hatched chicks, but during May and June the little chicks apparently thrive well, until

"TYCOS" Incubator Thermometer

Is the Quality Mark in Incubators. The higher grade machines are equipped with

"Tyco's" instruments. Insist on the genuine. "Tyco's" Incubator Thermometers, each, 75c. "Tyco's" Incubator Hygrometers, each, \$1.50.

Send for free booklet, "Incubator Thermometer Facts Worth Knowing."

Taylor Instrument Companies ROCHESTER N. Y.

The SOUTHERN PLANTER

The South's Oldest, Largest and Best Farm Magazine

and THE INDUSTRIOUS HEN, both one year for 50 cents.

INDUSTRIOUS HEN CO., Knoxville, Tenn.

LEG BANDS

SAMPLES FREE

Send name on postal now for free samples of most complete line of highest quality bands of Smith Sealed for every use. Or order now from this advertisement. Money back if you want it. SMITH SEALED. Used by America's leading Fanciers. Prices: 12, 30c; 25, 50c; 60, \$1; 100, \$1.50; 500, \$8.50; 1000, \$12.50; postpaid. LEADER ADJUSTABLE: Smoothest, most secure fastening ever invented. Prices prepaid: 12, 15c; 25, 25c; 50, 40c; 100, 65c; 250, \$1.50; 500, \$2.75; 1000, \$5.25. Samples of these and other styles Free—also fine booklet.

THE KEYES-DAVIS CO., Ltd., Mrs. Dept. 520, Battle Creek, Mich. Leader Adjustable

Crown Bone Cutter

Hens fed cut green bone lay more eggs. Get a Crown Bone Cutter. Send to-day for catalogue. Wilson Bros., Box 816 Easton, Pa.

BEST MADE Lowest in Price

they are a week or ten days old. Then they sleep themselves to death. I have only had this trouble since May, did not experience it last year.

Answer.—If you had only examined the down on the neck and throat of your chicks, you would have found head lice or "stick tight's." Don't get angry because I tell you your chicks were lousy. Find a remedy in one of the Answers in this article.

Mr. J. I. Moore, Beckham, Va.—Find answer to your letter on line breeding above.

The lady who wrote about her chicks having a bowel trouble, sleeping themselves to death, and her larger broilers having lice or something on their necks.

Breeders' Cards TOO LATE TO CLASSIFY

INDIAN RUNNERS—500 for sale; young stock only. Also Black, White and Buff Orpingtons. Hulsart Poultry Plant, Sidney, Ohio. 89

KELLERSFRASS S. C. CRYSTAL WHITE ORPINGTONS, also Cook's Rose Comb White Orpingtons. Yearlings and young stock—pairs, trios or pens. Stock shipped on approval. J. M. Davis, Deer Creek, Ill. 90

INDIAN RUNNER DUCKS—Great layers of big white eggs. Some choice stock, \$1.00 up. John Wall, McKenzie, Tenn. 88

WHITE INDIAN RUNNER DUCKS—Pure white eggs, heavy layers, large profits, little trouble. Do well on city lot or farm. Can spare a few youngsters. Some fine drakes. No better stock in America. R. J. Latta, Yorkville, S. C.



PLEASURE AND PROFIT In Breeding PAPE'S CHAMPION STRAIN

S. C. BLACK MINORCAS

Have to spare a grand lot of **Utility Birds, Selected Breeders**, both old and young well-matured **Exhibition Stock** that will win anywhere. Our latest triumphs include championship honors at Memphis, Tenn., President's cup at Mid-west Chicago Show and American Black Minorca Club cup at Ft. Wayne, Ind. Write for catalogue and state requirements.

CHAS. G. PAPE, Box E74, Fort Wayne, Ind.

The home of the Greatest Egg-Laying Strain of Prize Winning Single Comb Black Minorcas Anywhere.

WOLFE'S REDS LEAD THE WORLD

HALF PRICE now for all eggs. Get eggs from our famous hens, "Polly," First Providence, First Frankfort, First Knoxville, First Cleveland, etc., and First Ogdensburg Cockerel, 1908, at half price, and raise some \$100 Reds. **BREEDING STOCK** for sale at a bargain in pairs, trios or pens. Baby chicks and older chicks from all matings at fair prices. Send for mating list and prices on birds.

CLINCHFIELD POULTRY YARDS,
George L. Wolfe, Proprietor

Rogersville,
Tennessee.

WHITE HILL POULTRY FARM

40 Acres in Lawson's Blue Ribbon Strain S. C. **WHITE LEGHORNS**. America's best layers, and they always win the "BLUE." If you want show birds, fancy breeders, or utility stock in any quantities, or eggs for hatching, write us.

A. J. LAWSON & SONS, Route 4, Box 2, Cleveland, Tenn.



Mammoth Bronze TURKEYS For Sale

Old and young stock from two magnificent flocks, mated for largest size and best plumage. When buying be sure you buy the best. My breeding toms for six years have weighed from 48 lbs. to 50 lbs. at 18 and 20 months of age. Won many prizes in the leading shows, scoring from 96 to 97½ points. I can furnish you young stock that will grow that way for you. Do not delay buying your breeding stock early.

Also Barred Plymouth Rock Chickens from the best prize winning blood.

MRS. J. C. SHOFNER, - - - Route 1, Mulberry, Tenn.
BOONEVILLE POULTRY YARDS

BOOK ON ORPINGTONS

CHEVIOT FARMS : R. 14 : Cincinnati, Ohio.

54 pages, 3 colored plates and Orpington Magazine 1 year. All for 25c.

WINNERS AND SONS AND DAUGHTERS of WINNERS of my famous

"HOOSIER" BARRED PLYMOUTH ROCKS

at greatly reduced prices. Get price list and finely illustrated references to these birds. Improve the opportunity. **The Barred Rock Specialist**

PURL H. WEIKAL Box 77A11 Marion, Ind.

REDUCTION SALE OF

BARRED P. ROCKS

SOUTH VIEW POULTRY FARM is offering a nice lot of Females at \$3.00 each, Males at \$5.00 each. EGGS at half price, \$1.00 to \$2.00 per 15. Nice lot of youngsters for sale September 1st.

CLARENCE B. BLYTHE : Route 2, Frankfort, Kentucky

A BARGAIN

FOR BARRED ROCK FANCIERS

We have broken up our small breeding pens, but have placed a 1 cockerel-bred birds in one large yard and all pullet-bred birds in another large yard. Not a bird in either yard scoring less than 85 points, and from that up to 92 point prize winners. From now on we offer egg from either pen at \$1.50 per 15. A LIFE-TIME OPPORTUNITY.

MAYFLOWER POULTRY YARDS

H. L. STERNBERG, Prop.

P. O. Box 34

Pine Bluff, Ark.

will find that they are affected with head lice. Find remedy for their destruction in one of the Answers in this article.

Mrs. F. C. P., Somerville, Tenn.—You are doing nicely. We had the same trouble you had this year. Sell out all of those odd colors you mention. Continue to buy baby chicks and eggs of the breed of your choice, until you get the desired number. Gain knowledge by experience; don't commit the same wrong twice, and you will be a poultry fancier.

Question.—Is it injurious to put salt in the poultry yard? (2) Are eggshells good to feed to hens, as they seem to like them better than oyster shells? (3) What is the standard weight of Rhode Island Reds?

Answer.—It depends on whether poultry has been accustomed to salt or not. Some poultry people tell me they keep salt before their fowls all the time. I give salt in the mash. (2) Yes; but they should be well charred to prevent the hens getting into the egg eating habit. (3) Standard weights for Rhode Island Reds are cock, 8½ pounds; hen, 6½ pounds; cockerel, 7½ pounds; and pullet, 5 pounds.

Question.—Can you honestly recommend a firm from whom I can purchase sound, clean poultry supplies?

Answer.—If I couldn't honestly do so, I wouldn't at all. You should find several firms who are advertising in these columns who sell about the average kind or class of feeds. I admit, that poultry supplies are not always what is claimed for them, and that all bran you speak of is not pure wheat bran. As a rule, though, feed manufacturers try to sell the best for the money. It is to their interest to do so.

Mrs. F. H. Scott writes: "My chickens are dying with a disease that is not familiar to me. Symptoms—First a slight darkening of the comb, which increases slowly until entirely black, loose bowels; actions, dark green, touched with white. At first they seem to want to eat, but are unable to pick it up—their necks are long and limber. If I hold them up the head hangs down, and a mucous runs out of the mouth; weak eyes, can hardly see. It is among my old stock, and I am positive that they have gotten hold of nothing decayed. What is the trouble, and a cure?"

Answer.—The same old story, "Limberneck." You may think that because you can't find the cause of the trouble, that the fowls haven't eaten decayed matter, meat skins thrown out, paint scales, dead chicks that die off in the weeds, etc., all contribute to the cause. Your old stock might have found a rabbit, snake, or something else decayed off in the field. Mine wander across a 40-acre plot of land and to keep everything out of their way is impossible. Ten drops of turpentine and a teaspoonful of castor oil is a splendid remedy.

Aunt Dinah—Ephrum, dat ole Cunnel Leigh is got some of de fines', mos' lubly young turkeys I eber sot my blessed eyes on. Dat am a fac'!

Uncle Ephraim—Yaas, honey, dis chile knows it. An' I on'y got 'ligion two weeks ago! An' jes' two days befo' Thanksgiving! Dinah, I'se mighty 'fraid I's goin' to be a backslider, shuah as vouth bein'!

S. C. WHITE LEGHORN SALE

Twenty-five very fine cockerels for sale that will make prize-winners for the fall shows. These youngsters are from the very best of blood and will make the best of breeders as they are farm-raised and good thrifty fellows. Any one wanting to introduce new blood in their flock had better take advantage of this sale. **PRICES: \$1.00, \$1.50 and \$2.00.** Correspondence in regard to the above stock is invited. Address,

QUICKSTRUM POULTRY FARM : : Bristol, Va.-Tenn.

FOR SALE — One pen of good Utility —

Silver-Laced WYANDOTTES

consisting of four hens, two years old; one good active cock about one year old. A fine chance for some fancier to get a start of this grand old breed. These birds came direct from Oak Lawn Farm, of Nyack, N. Y. Reason for selling, I am going west. Correspondence invited.

Price of Pen, \$15.00

Address J. H. WATSON, Box 42, Bristol, Va.-Tenn.

A CHANCE For some one to get a pen of

INDIAN GAMES

AT A BARGAIN

I am going west, and will sell this Pen at a sacrifice. The Pen consists of four two and three-year-old Hens and a dandy yearling Cock. All of this stock are of good size, shape, and color, in perfect health and laying. Any one interested in Indian Games will do well to grasp this Bargain offer. **Price of Pen, \$15.00.** Address

J. H. WATSON : Box 42, Bristol, Va.-Tenn.

TURKEYS



Rules for Turkey Raising

Never breed from small, light stock, from closely related stock, from immature stock; one parent must be full grown if the other is young.

When hatched leave the young over night with the mother. Next day lift the mother gently and place her in a large dry coop with the entire brood. Feed the poults on hard boiled eggs, chopped fine, boiled rice and soaked bread every two hours from early morning until night.

After a week add oaten and barley meals, gradually weaning them from the bread and egg diet, and have finely chopped onions if possible added to all the diets and reduce the number of meals gradually to four or five.

Use dandelion and rice as a corrective of diarrhoea, to which the youngsters are prone.

At three weeks or a month five meals are enough and may consist of oatmeal porridge, boiled corned meal, boiled rice

and a mixture of small grains at night, such as canary millet and hemp seed.

After the sprouting of the red heads ("shooting the reds"), wheat, barley and oats may be substituted for the smaller grains and the meals reduced to three.

Change the coop to fresh soil every day, dry soil, and see that the poults have plenty of grit in their food. Have them, if possible, on gravelly or sandy soil.

As the turkeys grow give them range. Turkeys do not do well in small and crowded quarters. They can be raised to some extent on a small range, but such specimens generally are stunted in size and are of poor color. If lice appear, grease their heads and wing coverts with carbolized vaseline. They

will not need much food, but will do better and grow faster than those kept close to the house and fed from five to six times a day.

The most critical period of the poult's life is about six weeks of age, or when they begin to "throw out the red." At this time their feed must be increased and rendered more nutritious by adding boiled eggs, whole wheat flour and bruised hemp seed to their daily ration.

As lice and mites kill many turkeys each season care must be taken to see that the poults are free from vermin.

To avoid roup see that the roosting places are dry and that draughts are avoided.

FOR SALE

**100 S. C. BUFF LEGHORNS
75 BARRED PLYMOUTH ROCKS
25 WHITE PLYMOUTH ROCKS**

All yearling hens, price \$1.50 each, or will sell entire lot of any breed for quick sale at \$1.00 each.

BELLE MEADE FARM, Birmingham, Ala.



Brooder House on the farm of the Galesburg Fancy Poultry Plant, breeders of the Dr. Holloway Strain of Single Comb White Leghorns. Dr. J. C. Holloway, Mgr. Galesburg, Ill.

MAPLETON POULTRY YARDS

Are selling eggs from prize-winners. Choice of pens at \$2.00 per setting of 15. Write for mating list if **GOLDENS** are what you want. We breed only **GOLDENS** and are glad of it.

MAPLETON POULTRY YARDS, G. A. Harrison, Sta. B, Nashville, Tenn.
MEMBER NATIONAL GOLDEN WYANDOTTE CLUB

WORLD'S FAMOUS S. C. RHODE ISLAND REDS

SING E COMB EXCLUSIVELY

Can I make this fact more convincing that I have birds of highest quality, whose ancestor stand in the front ranks of the great Red Army, than to say they were produced by such noted birds as 1st cock, 2d, 3d, 4th and 5th Madison Square pullets, and 1st Boston hen, January, 1910, which I own, and 1st pullet and 3d cock, Madison Sq are, and others of repute.

APPALACHIAN POULTRY YARDS A. J. Stanbery, Prop. Newport, Tenn.

WHILE THEY LAST

75 February Hatched S. C. Buff Orpington Cockerels at \$1.50 each. All from line bred, tested stock. Some of them will develop into winners, and any of them will improve your flock.

GEO. M. WELLS & DAUGHTER : : Pine Bluff, Ark.

SOUTHERN POULTRY FARMS

One of the largest and most up-to-date plants in the South. Exhibition and Breeding Stock for sale of the following varieties: BARRED, BUFF and WHITE ROCKS, of the highest quality; SINGLE COMB BLACK MINORCAS, Blue Grass Strain. All stock bred from trap-nested record-layers. RHODE ISLAND REDS, Single Comb, of good quality; ORPINGTONS, BUFF and BLACK, (Cook's best); LEGHORNS, WHITE and BROWN, regular egg-machines, of exhibition quality. INDIAN RUNNER DUCKS, one of the largest and finest bunches in the South. Stock and eggs for hatching at all times. Your correspondence solicited.

SOUTHERN POULTRY FARMS : LaGrange, Ga.

Fogg's S. C. White Leghorns

WILL PLEASE YOU

Several thousand COCKS, HENS, COCKERELS and PULLETS now ready to fill your orders. They are the finest lot I ever raised. I GUARANTEE SATISFACTION. Write your wants.

N. V. FOGG - Box A - Mt. Sterling, Ky.

Incubator Startles Country

Poultry raisers all over the United States are being stirred to great enthusiasm by the big hatches turned out by Buckeye Incubators. This is the only incubator in America guaranteed to hatch every hatchable egg and keep in working order for five years. No other incubator has stood the acid test of time as has the Buckeye—been 22 years on the market and over 225,000 machines now in successful operation—truly a most remarkable record considering the fierce competition in this line.

And the beauty of buying a Buckeye Incubator is this—you "don't buy a pig in a poke." There are Buckeye dealers on coast to coast in practically every city and town where the incubators can be personally inspected and thoroughly examined, which, after all, is the most satisfactory way to buy anything—especially an incubator.

Up to this year Buckeye Incubators were made in one size only, but owing to the enormous demand of poultry raisers for a wider range of sizes the manufacturers are now putting out a 60 egg, 110 egg and 220 egg machine—selling as low as eight dollars. Everybody interested in poultry should write the Buckeye Incubator Co., 525 Euclid Ave., Springfield, Ohio for "Incubator Facts" a copy of their guarantee and the name of the nearest dealer where the Buckeye Incubator can be seen.

H-P Poultry Foods

Concerning the H-P Poultry Foods, manufactured by the City Milling Co., of Quincy, Ill., Mr. W. H. Sissons, of Magnolia Springs, Ala., breeder of S. C. White Leghorns, wrote July 10th, 1911: "Delay in replying to written enquiry occasioned by my absence from home on a Northern trip. You are at liberty to use my former letter as you may desire to acquaint others with the merits of your products. I never used any as good as yours and I have tried about all the feeds for fowls that is made.

"It is absolutely free from dust, dirt, grit and weed seed and is all eaten by the fowls. My Indian Runner Ducks eat it greedily, both the scratch feed and the Egg Mash. I consider your H-P Foods the very best made, both as to price and quality."

A hen inclined to fatten readily is not a good layer, as a rule.

Dampness and draughts ruin more everything combined.

BRIGHAM'S PROGRESSIVE POULTRY CULTURE

By ARTHUR A. BRIGHAM, Ph. D.

A 287 page book of instruction in modern, scientific poultry culture. Used as a text book in the poultry department of a dozen or more agricultural colleges and schools. Though written along thoroughly scientific lines, the author has carefully avoided technical terms, and anyone capable of understanding the simplest written language cannot fail to comprehend the full meaning of every subject treated. Nothing of value has been omitted and nothing useless has been included. It is the book for the beginner, and a careful reading of it will be of untold advantage to the more experienced breeder. Publisher's price \$1.50.

By special arrangements we can furnish, postpaid, a copy of Brigham's Progressive Poultry Culture and a year's subscription to The Industrious Hen, both for.....\$1.50

SPECIAL COMBINATION OFFER

Brigham's Progressive Poultry Culture.....	\$1.50
Hen and Chicks.....	.50
Industrious Hen, one year.....	.50
	<u>\$2.50</u>
SPECIAL PRICE FOR ALL.....	\$1.75

Order at once and begin right.
Address

THE INDUSTRIOUS HEN CO., Knoxville, Tennessee

Fall Work With Poultry

Much of the success of next season depends upon what you do this season, says T. E. Quisenberry, in *Useful Poultry Journal*. He says:

The poultry breeder who looks to the future is wise. The man who gives some attention to the business every day of the year is the man who will succeed. The summer, fall and winter work is equally as important as that of the spring. Have you been watching the growth of the most prominent pullets and cockerels?

Have you been culling out those which have not been maturing as they should, and those which have been troubled with some disease, but have never recovered? Can you tell every bird in your flock which seems to be lacking in constitutional vigor? Have you prepared comfortable winter quarters for your flock? Have the houses and yards been cleaned and purified and made attractive? Did you grow a patch of beets or other green food for your birds?

These are all important points, and if you fail during the hatching and rearing period next spring, you can attribute it to some of these things in many cases.

No matter how excellent a color or shape your bird may have, if you have any reason to believe he is lacking in constitutional vigor, fatten him and sell on the Thanksgiving market.

Would you think of erecting a great building on a foundation of sand? Without a good foundation your structure would totter and fall. It is just as necessary that you do most of the selection of your breeding stock during the summer and fall as it is that you have a substantial foundation to a brick business house.

You must also have comfortable quarters during the winter months to protect your flock from the storms, sleet and snow. Make the house attractive. Stop up the cracks to prevent drafts. Let in plenty of fresh air and sunshine. Provide plenty of litter and scratching material and keep the hens busy, healthy and happy.

Don't force your hens for winter egg production if you expect to use them for breeding purposes in the spring. If you force them to lay all winter, the strain of laying has told on their constitution. When spring comes on they are the best layers and have laid all winter and are now ready to set, and the drones now begin to lay and you are hatching from the poorest birds in your flock. If you do not force the hens and pullets in the winter, when they are put into the breeding yard, they then put their best efforts into every egg and the result is fertile eggs and strong healthy chicks.

An Average

A Western Representative in Congress was talking one day of his record while in that body. "I'm not ashamed of it," said he. "I think I've done very well, on the whole. When I reflect upon it, I am reminded of an epitaph that I saw once in an old burying-ground in a country town of my State.

"This epitaph devoted a verse of four lines to the virtues of the good man who lay beneath the stone, and concluded with this line in prose:

"He averaged well for this vicinity."

—August Lippincott's.

SECRETARY'S ENTRY BOOK

A very compact book, size 8½x8½ inches, giving ample space for making entries without crowding. Printed on best quality paper and handsomely bound. Or simple labor-saving system of special indexing is a feature that adds much to the book and affords a great saving of time in making entries.

50 L. avcs. \$1.00; 75 Leaves, \$1.50; 100 Leaves. \$2.00.

THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

Books for Poultrymen

For a year's subscription to THE INDUSTRIOUS HEN, add 25 cents to the price of any book listed below.

"Hen and Chicks," or How to Make Money Raising Poultry

An all-round good book of information that is worth \$5.00 to any man in the poultry business. It gives facts and figures. No use experimenting all the time; profit by the other fellow's mistakes. Money returned if not pleased. 2d edition. 300 pages, 5½x7½, illustrated. Price 50 cents.

Brigham's Progressive Poultry Culture

A book of instruction in modern scientific poultry culture. Used as a text book in the poultry department of a dozen or more agricultural colleges and schools. Nothing of value has been omitted and nothing useless has been included. Edited by Arthur A. Brigham, Ph.D. 287 pages. Price \$1.50.

Rhode Island Reds

Origin and history of both the Rose and Single Comb varieties. How to mate for best results, by leading breeders of Rhode Island Reds. Edited by D. E. Hale, judge and breeder. Color plate of feathers by F. L. Sewell. 88 pages, 9x12, illustrated. Price 75 cents.

The Plymouth Rocks

A complete text book devoted to America's most popular breed of standard fowls. Explains standard requirements, tells how to select the right breeders and how to mate them. Edited by Wm. C. Denny and J. H. Drevenstedt, breeders and judges of wide experience. Three color plates by Sewell. 160 pages, 9x12, illustrated. Price \$1.00.

Artificial Incubating and Brooding

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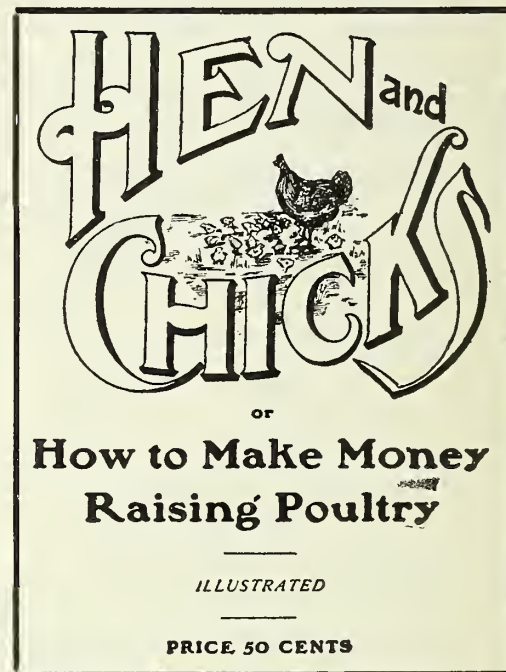
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White Indian Runners

I also breed fancy Fawn and White Runners, and S.C. White Leghorns. Eggs, \$2.00 per sitting. Satisfaction guaranteed

Flock headed by first prize pen Indianapolis, 1911; pronounced by U. R. Fishel the finest pen in America. Layers of large white eggs. Easily raised the year round in the South. Beautiful in shape—the coming duck. Order ahead for eggs; \$5 and \$10 per sitting of 12.

J. C. PATTON, Charlotte, N. C.